

# Chemical Week

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Volume 70—January-June, 1952

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2,3-dichloronaphthoquinone controls blue-green algae	Apr. 5 36
2,4-dichlorophenoxyacetic acid separated in a mixture of chlorinated phenoxacetic acids	June 28 33
Diesel fuel improved by Ethyl Corp. with ignition improver	Apr. 19 53
Diethylpropanediol available at Carbide & Carbon Chemicals	Jan. 12 38
Diethyl streptomycin to be produced in Brazil	May 3 22
Dimethyl acetamide comes from Dajac Laboratories	Mar. 8 26
Dimethyl aniline plant to be constructed in Spain	Feb. 16 25
2,2-dimethyl-5-hexene standard at American Petroleum Institute	Feb. 16 34
Dimethyl-phenylpicrazinium iodide	Jan. 12 38
Discount fix	Jan. 26 46
Distillation hazards eliminated by Schenley	May 17 46
Distillers Co. and Colonial Sugar Refining Co. will amalgamate their Australian interests	Jan. 26 15
Distribution of Reichhold Chemicals from nearby plants	May 17 67
Distributor—man in the middle	June 7 38
Dithiocarbamates assayed in dust and spray formulations	May 24 27
Dolcin prohibited from claiming it is a cure for arthritis, rheumatism	Feb. 23 53
Dolomite—Two new dolomite plants in Florida	Feb. 2 19
Dominion Tar & Chemical's Standard Chemical Div. sells antifreeze to Commercial Alcohol Ltd.	June 14 14
Dow Chemical's Bush Aromatics Div. changes name to Dow Chemical	June 14 17
Dow Chemical Co. plants at Freeport and Velasco	Mar. 22 14
Dow Chemical and Sun Oil trade real estate	May 31 12

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Aldnamide is a new tuberculosis drug	Feb. 16 32
Aspirin made tasteless	June 14 52
Diploicin compounds effect upon tuberculosis investigated	Mar. 1 34
Drug pricing on trial	June 7 15
Ethyl vanillate produced from spent sulfate used to combat Valley fever	June 14 33
Headache remedy from Australia to be sold here	Apr. 5 66
Hydrazinophthalazine reduces blood pressure	Apr. 12 28
Isocitric acid hydrazide drug made by U. S. Vitamin Corp. also	May 31 30
Methyl phenyl tert-butylamine to boost blood pressure	May 3 29
New synthetic niacin-related anti-tubercular drugs are focus of interest	Mar. 8 21
New tuberculosis drug to be tried in Puerto Rico	May 17 27
Nicotinolept, a TB drug	May 31 47
Norlon Corp. prohibited by FTC from advertising Sural as a cure for arthritis	Mar. 8 48
Parke, Davis buys site in Tennessee	Jan. 26 15
Peritrate contains pentamethylthirotetranitrile familiar as an explosive	Feb. 23 37
Phenylbutazone is a new anti-arthritis agent	June 14 30
E. R. Squibb & Sons to have plant in Istanbul, Turkey	June 28 16
Sulfur drugs trends are up	Jan. 12 11
Winthrop Stearns introduces new medicinal preparation	Mar. 29 28
Winthrop Stearns introduces new tablet for respiratory infections	Mar. 22 34
Dryer, portable	Feb. 2 36
Turbo-dryers	Apr. 5 47
	Apr. 19 38
Du Pont engineers building a suburban village tailored to modern living	May 10 17
Durez Plastics plans building	June 14 17

**Dyes:**

American dye producers find European producers cutting in on sales	Mar. 29 11
Ciba States, Ltd. plant near Lakehurst	May 17 21
Coal tar hair dye, deflection to be re-examined by the FSA	Mar. 15 58

Dye stripper	Mar. 15	44
Enthone, Inc. develops dye for aluminum	Mar. 15	41
Fluorescent dyes in Germany	Feb. 23	15
A former segment of I. G. Farben to produce dyes	May 31	25
German Farbenfabriken Bayer Leverkusen puts out three new luminous dyes	Mar. 8	24
German firm develops new red dye	Mar. 17	37
India's new pharmaceutical and dye-stuff plant starts operations	Mar. 29	20
Synthetic fiber dyeing	May 24	25
Textiles dyes from citrus fruit	Feb. 16	34
Three new blues	Mar. 15	66
Dynel covers for valves and flanges	Jan. 26	42

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Elastomer by Du Pont	Apr. 12	28
Electrodeposition of metals by bath of ether solution of aluminum chloride and a metal bridle	May 31	29
Electronics—High-velocity electrons in food and drug sterilization	Mar. 1	28
Emery Industries sells candle-making operations to Candell Lite	Mar. 29	13
Employee relations—Standard Oil of Calif. diagnosis of employees relations	May 3	10

<b>Enamels:</b>		
New Process D-Enameling Corp. may go abroad	Mar. 29	28
Porcelain enamels fused to metals to produce murals	Mar. 29	26
Enzymes—Reheis establishes a division to produce vegetable enzymes	Apr. 12	26
Equipment shortage with slow deliveries	Feb. 9	32
Esso Standard expansion at Baton Rouge	Mar. 22	15
Esters that are suitable for fungus control	Jan. 26	29
Estradiol cyclopentylpropionate, a new hormone to treat cattle	Feb. 9	32
N-ethanesulfonamides to treat shock	Apr. 12	28

<b>Ethanolamines:</b>		
Carbide & Carbon Chemicals now producing	Feb. 16	34
To be produced by Jefferson's Port Neches unit	Apr. 12	14
Ethyl Corp. facilities in Houston, Tex. being warmed up	Mar. 22	14
Ethyl-butylpropanediol available at Carbide & Carbon Chemicals	Jan. 12	38
Ethylchloride—Shell Chemical increases output	Feb. 9	24
n-Ethyl maleimide offered on a commercial basis	May 31	33
Ethylene diamine tetra-acetic acid sales in 1951	Jan. 19	39
Ethylene dibromide to control insects in timber	Feb. 16	52
Ethylene glycol terephthalic acid polymer is newest product of Du Pont research	Feb. 16	31

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Ethylene oxide and ethylene glycol produced by Matheson Chemical	Jan. 26	12
Ethyleneimine derivatives tested for their inhibitory activity	Apr. 5	39
3-ethyl-2-pentene standard at American Petroleum Institute	Feb. 16	34
Explosives—Hawaii and Alaska limited to 500 lbs of explosives per shipment	June 28	44

<b>Explosions:</b>		
Goodrich, B. F. has explosions at South Akron plant	Feb. 2	20
Hazards eliminated by Schenley Distillers	May 17	46
Texas city fertilizer explosion suits	June 21	16

<b>Exports:</b>		
Companies charged with shipping aluminum oxide to Hungary	Jan. 12	14
Dow Chemical Co. sets up two export companies to handle foreign market	Feb. 23	47
Hercules Powder forms two export subsidiaries	Mar. 22	58
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Statistical short cut	June 14	44
U. S. was Britain's second best customer for chemicals in 1951	Feb. 23	18
Victor Chemical Works forms two international corporations	Mar. 15	33
Eye glass cleaner of sodium oleate and sodium alkyl naphthalene sulfonate mixture	Feb. 23	53
Eye lotion—Winthrop-Stearns	June 21	54

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Reorganization	May 3	15
To produce dyes	May 31	25
Farrell Calhoun moves to Memphis	June 28	50

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Hearings on two bills near an end	Mar. 1	41
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Emery Industries plans addition to Cincinnati facilities	Apr. 12	14
Kessler Chemical Co. appoints agent for its line of fatty acid esters	Apr. 26	42
Manufacturers become fatty acid/division of the soap and glycerine producers association	Feb. 2	11
Produced by lactobacilli	Mar. 22	44
Vegetable oleic	May 10	53
Ferro Corp. forms three new domestic sales divisions	Feb. 23	48
Has been diversifying its activities	Mar. 22	18
To control Wel Met Co.	Apr. 19	16

<b>Fertilizers:</b>		
Best Fertilizers Co. to build Stockton, Calif. plant	June 21	54
Boron fertilizers tested by Iowa State College	Apr. 12	28
Chemical Construction Corp. to erect fertilizer plant in Colombia	Mar. 1	20
Concentrated water-soluble plant nutrient	Feb. 23	54
Cooperative Fertilizer Service to have Louisville, Ky. plant	May 3	48
Delaney Committee reports on chemical fertilizers	May 24	11
Ferro Corp.'s porcelain fertilizer	May 3	47
India opens fertilizer plant in Sindri, Bihar	Mar. 22	23
International Mineral & Chemical Co. opens new plant	Mar. 22	34
Louisville allows dry-mix fertilizer plant to be built	June 21	16
Louisville, Ky. refusing to have a fertilizer factory due to the smell	June 7	24
Matheson Chemical Corp. acquires fertilizer division of Tovrea Land & Cattle Co.	Mar. 15	44
Matheson Chemical Corp. buys Temple Cotton Oil Co. fertilizer	June 21	54
Monsanto Chemical boosting production of plant nutrients	June 7	52
Na Churs Plant Food Co. to make liquid fertilizer	Mar. 8	48
Naco Fertilizer Co. replacing burnt plant	June 28	49
Naco Fertilizer construction plant near Ft. Pearce, Fla.	Mar. 8	48
Oklahoma Fertilizers to construct ammonia fertilizer plant at Oklahoma City	Feb. 2	18, 40
Pay-Crop Fertilizer Co. organized	Apr. 26	50
Seasonal upturn in fertilizer buying shows nitrogen short	Feb. 9	51
Vermiculite, a compressed peat moss mixture is a fertilizer, too	Feb. 2	38
Virginia farm department to discontinue permits for insecticide-fertilizer mixtures	Apr. 19	46
Fertilizers see also Soil stabilizers		

<b>Fiber Glass:</b>		
Lamination of silicone glass	Apr. 26	36
Pittsburgh Plate Glass Corp. to have filter glass plant	Jan. 26	12
Plastic tanks reinforced with Fiberglass mat for desert transport	May 31	21
Silicone-impregnated glass cloth makes bags to filter dust from exhaust gases	Apr. 26	32
Silicone rubber impregnated Fiberglass	May 17	48
Filling scale	Feb. 23	44

<b>Filters:</b>		
Filter bags of silicone-impregnated glass cloth	Apr. 26	32
Orlon filter	May 31	41
Test filters	June 7	46

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Aluminum Co. files statement	Jan. 26	15
Aluminum Co. sinking fund debentures oversubscribed	Feb. 16	20
American-Canadian Uranium files statement	Jan. 26	15
American Cyanamid to increase the number of shares	May 3	11
American Marietta's stock deal approved	Feb. 16	20
Apex Smelting to sell stock	May 31	12
Applied Research Labs offers stock shares	June 14	17
Archer Daniels Midland to issue stock	June 28	14
Blockson Chemical offers common stock	June 21	19
Bristol Myers to sell shares	June 7	15
Brunswick Pulp & Paper sells notes	Jan. 19	25
Canadian Chemical & Cellulose's stock offer oversubscribed	Apr. 12	16
Chemical company earnings—1951 (tables)	May 3, 12, May 17, 17	15, 16
Chemical financing in 1951 (table)	Feb. 2	16
Chemical Research Corp. acquires control of Maule Industries	June 21	16

Chemical stock purchases by investors' investors (table)	Apr. 26	12
Chemstrand's financing program	May 17	18
Cleveland Graphite takes a loan	Mar. 29	14
Corning Glass arranges finances with insurance company	Feb. 2	19
Corporate giving to colleges	May 31	13
Davison stockholders authorize shares of preferred stock	May 3	12
Dayton Rubber increases loan	Mar. 29	13
Deere & Co. planning finances	June 21	16
Dewey & Almy arranges financing	Feb. 2	20
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Diversey Corp. net sales	Mar. 22	34
Dominion Tar & Chemical needs expansion capital	Mar. 29	14
Dow Chemical plans split of common stock	June 14	14
End-product classification of DPA—approved tax write-offs (table)	June 14	14
Falls Industries receives loan	Jan. 26	15
I. G. Farben reorganization	May 3	15
Federated Petroleum plans to share stock	May 31	12
Financial analysts meet	May 17	17
Food Machinery & Chemical negotiates loan	May 17	18
Food Machinery & Chemical plans new stock issue	May 3	11
Footie Mineral wants to borrow more money	June 14	17
General Aniline & Film Corp.—syndicate formed to purchase	May 3	9
General Tire & Rubber par value to be split	Feb. 16	20
Glass Fibers' stockholders approve rise in common stock	Apr. 12	16
Goodyear adds common stock	Apr. 12	16
Hercules Powder Co. hedging against inflation	Feb. 2	14
Homestead Mining borrows money on a DPA loan	Feb. 16	22
Hooker Electrochemical borrows money	May 31	12
Hooker Electrochemical sells notes to private investors	Mar. 29	14
Hooker Oil plans sale of common stock	Apr. 12	16
Imperial Chemical Industries may increase stock	June 21	19
International Mineral & Chemical to issue stock	June 28	14
Kaiser Aluminum stock marketed	Jan. 19	25
Koppers Co. to sell shares of common stock	Feb. 16	22
Liquid Carbonic to sell debentures	Apr. 12	16
Lone Star Cement to sell common stock	Apr. 19	16
Lone Star Cement withdraws from sale of stock	May 31	12
Matheson Chemical stockholders to vote on setting up stock plan for employees	Mar. 22	20
Merritt-Chapman & Scott authorizes stock issue	Feb. 2	20
Monsanto Chemical stock issue sold privately	Jan. 19	25
Montecatini Co., Italy, gives annual report	May 17	26
National Alfalfa offers stock of National Chlorophyll	June 14	14
National Gypsum Co. acquires Wesco Water Paints	Apr. 12	16
National Gypsum borrows money	June 14	17
National Research to sell common stock	Apr. 12	16
Newmont Mining wants Sherritt Gordon Mines to sell bonds	June 21	19
Owens-Corning Fiberglass to offer stock to public	Feb. 2	20
Pennsylvania Salt Mfg. Co. to offer common stock	Apr. 19	16
Penobscot Chemical Fibre to sell bonds	June 28	14
Philippine financing for industrial development	Feb. 16	22
Phillips Chemical credit arranged for expansion	Feb. 16	20
Pittsburgh Coke & Chemical plans further vertical integration	Apr. 12	14
Pittsburgh Plate Glass making first financing request	Mar. 29	14
Pittsburgh Plate Glass offers debentures for sale	Apr. 12	14
Pittsburgh Plate Glass sells notes	June 21	16
Pittsburgh Plate Glass offers to buy shares of Murphy Paint, Montreal	Feb. 2	20
Procter & Gamble borrows from pension funds and insurance interests	Apr. 12	14
Publicker Industries to sell stock	Mar. 29	13
Reichhold Chemicals sells bond	May 24	14
Report—solid basis underlies expansion	Feb. 23	21
St. Joseph Lead to ask for increased capital stock	Feb. 16	20
Southern Oxygen floats debentures	Jan. 26	14
Standard Oil of Indiana to increase common shares	June 14	17
Stock option and purchase plans for employees win favor with companies	Apr. 5	15
Udylite Corp. may acquire stock of L. H. Butcher	June 14	14
Union Oil of California bonds oversubscribed	May 17	18
U. S. Rubber arranges sinking fund	Jan. 19	25
U. S. Rubber stock plan approved	Jan. 26	15
Finish for automobile metal trim	Jan. 12	35



Fire extinguisher, corrosion resistant	Apr. 12	36	General Electric offers scholarships	Apr. 12	28	Hydrazinophthalazine reduces blood pressure	Apr. 12	28
Fire extinguisher systems, pre-engineered	Mar. 22	62	General Tire & Rubber starts production at Baytown, Tex.	Mar. 22	15	Hydrides—Metal Hydrides constructing research building	May 17	37
Flame retardants needed for textiles	Feb. 9	45	Geniesic acid synthesis patent issued	Jan. 12	38	<b>Hydrocarbons:</b>		
Floor covering survey	Jan. 12	38	German Technical Fair	June 7	18	Kenrich Corp.'s starts production of aromatic hydrocarbon polymers at Laurel Hill plant	Mar. 15	18
Floor patcher	Jan. 28	51	<b>Germicides:</b>			Krupp Kohlenchemie will reactivate its Fischer-Tropsch plant in West Germany	Feb. 16	25
Flotation frother developed by Dow Chemical	Mar. 8	48	Cloth treated with germicide	May 17	55	<b>Hydrochloric Acid:</b>		
Flowmeter introduced by Fischer & Porter	Mar. 15	61	Methylchlorothymol, a new germicide, fungicide, and preservative	Apr. 19	50	Stauffer Chemical to construct hydrochloric acid plant	May 24	14
Flowmeter of plastic	June 14	40	Sterwin Chemicals markets new germ-killing rinse	Mar. 22	32	Utilized by Hercules Powder for regenerating chlorine	Jan. 19	48
Fluorinated alkyl phosphate incorporated into aqueous polymerizations of tetrafluoroethane	May 31	33	Glass—Owens-Illinois Glass merges two of its subsidiaries	June 7	15	Hydrogen chloride to be produced from Stauffer Chemical to Du Pont neoprene plant	Mar. 29	13
<b>Fluorine:</b>			Glass Fibers opens sales office in N. Y. C.	Apr. 5	62	<b>Hydrogen Peroxide:</b>		
Chicago firm sells bottled water containing fluorine	Mar. 15	46	<b>Glass Fibers:</b>			Bleachers of groundwood pulp to take output of two new hydrogen peroxide plants	Feb. 23	61
Cleveland lawyer files suit to prevent fluoridation of the water	June 28	14	Glass Fibers out with new fibers similar to quartz	Mar. 1	32	Enzymatic production for the decomposition of hydrogen peroxide	Mar. 15	66
Fluorides added to table salt as alternative to drinking water not practical	May 3	30	Glass paper	Feb. 16	16	Hydroponic debate R. M. Carleton	Jan. 19	2
Sodium fluoride (dental polished paste)	May 31	46	Owen-Ford's new Parkersburg, W. Va., producing	May 10	20			
Steel plant in Geneva, Utah, finds stack discharges poison cattle	June 7	24	Reardon Industries selling glass fibers	Feb. 9	40			
University of Oklahoma produces compound for fluoridating drinking water	Apr. 5	66	Vibradamp composed of glass fibers controls shock, vibration	Mar. 22	60			
Water fluoridation evidence presented before the Delaney Committee	Mar. 1	12	Giddien Co. settles price complaint by giving check Owens	June 14	22			
Fluorocarbons—Producing fluorocarbons by reaction of bismuth pentafuoride with higher hydrocarbons	Mar. 15	66	Gluconolactone produced by Corn Products Refining	May 31	26			
Fluorochlorals for electrical applications	Apr. 5	36	Glue—Reichhold Chemicals, Inc. and the American Marietta Chemical Co. squabble about glue	Feb. 2	14			
<b>Fluorspar:</b>			Glutathione labeled with sulfur 35 available	Feb. 16	32			
Kaiser Aluminum & Chemical Co. to construct mill near Fallon, Nev.	Apr. 19	16	<b>Glycerine:</b>					
Reynolds Mining & Kaiser Aluminum purchase fluorspar mines	Feb. 23	17	Cereal bar held together by glycerine	Jan. 26	49			
Foam, slow burn	June 28	49	Drums from Holland	June 28	16	Imperial Chemical Industries planning to increase production	Mar. 22	23
Folic acid experimental use shows new chemical changes in living tissue	Feb. 9	28	Production in recent years	Jan. 12	41	Imports—Australia, cotton, copper, German, Italian and Japanese imports	Apr. 12	22
Folic acid patent suit between Parke, Davis & Co. and American Cyanamid	June 28	14	Shell Chemical increases glycerine output	Feb. 9	24	Indiana Ordnance Works, Charleston, to be operated by Du Pont	Jan. 26	12
<b>Food Chemicals:</b>			Glycerol—U. S. Testing Co. does synthesis of radioactive glycerol	May 3	30	Infrared spectrometers in research and control labs	May 3	33
Bread standards signed by FDA	May 24	12	<b>Glycol:</b>			<b>Ink:</b>		
Delaney Committee's tactics deplored	Mar. 22	24	Dow Chemical Co. expands production of liquid glycols	Mar. 15	46	Aniline inks in the packaging field	Jan. 12	29
Delaney Committee taking testimony in New York	Jan. 19	13	Mathieson's Doe Run, Ky. plant reaching capacity	Mar. 15	17	Black ink for ball point pens	Apr. 26	49
Food products trends according to Nielsen Index	Feb. 2	38	N. Y. State Natural Gas Co.'s de-hydration plant to remove water vapor from natural gas by employing diethylene glycol	Feb. 2	19	Interchemical Corp. establishes center at Charlotte, N. C.	Feb. 9	46
Formaldehyde—Standard Chemical to distribute for Bakelite Co.	Mar. 8	42	Goodrich, B. F. Chemical Co. expanding business	Mar. 1	26	Layout ink in aerosol containers	Apr. 26	50
Freeport Sulphur plants in Mississippi Delta	Mar. 22	15	To convert Port Neches plant to cold rubber	Mar. 22	15	Sleight Metallic Ink Co. accused of over-claiming sales of printing ink	May 31	21
Freight—Mobile, Ala. packs freight on wharf, cuts cost of freight	Apr. 19	65	Grace, W. R. & Co. to enter the chemical field	May 3	10	Insect repellents	Apr. 12	28
Freight cars of plywood Union	Jan. 12	14	Graphite—International Graphite and Electrode Corp. plant to increase production	Feb. 16	18	Insect repellents for the Army	Apr. 26	28
Freight rates—Railroads' turn to be heard	May 31	37	Great Lakes Carbon plant at Port Huron	Mar. 22	15	<b>Insecticides:</b>		
<b>Fuel:</b>			Great Southern Chemical at Corpus Christi	Mar. 22	15	Abbot's insecticide	Apr. 12	42
Bureau of Mines' synthetic fuels research bill helped by industry	Apr. 19	27	Gulf Oil plant at Port Arthur	Mar. 22	15	Aldrin as soil insecticide	Mar. 29	26
Diesel fuel improved by Ethyl Corp. with ignition improver	Apr. 19	53	<b>H</b>			Aldrin to combat locusts in the Middle East	June 7	50
Koppers Co.'s new synthetic liquid fuels research program	Feb. 2	28	Hail control in South Africa	Jan. 26	15	Aldrin-Julius Hyman plant	Apr. 5	65
National Petroleum Council opens third round in fight with Bureau of Mines on costs of synthetic fuels	Feb. 16	38	Hanovia Chemical & Mfg. planning a plant at Springfield, N. J.	Feb. 2	19	Areas of insect infestation	June 14	54
Fuller, H. B. Co. incorporated	Apr. 12	44	Hawaii is gaining stature in the chemical industry	May 31	17	British insecticide to kill mealy bugs on cocoa trees	May 10	50
<b>Fumes:</b>			<b>Herbicides:</b>			Bulb sprayer for roach powder	Feb. 2	40
Fume damage suits against Reynolds Metals Co. won by 19 farmers	Jan. 26	12	Crabgrass killer	June 14	54	Calcium cyanate for weevil	May 3	96
Houdry shows a catalytic unit to produce odorless carbon dioxide and steam	June 7	45	Monsanto developing hormone-type weed-killer	Jan. 12	30	Combination insecticide-fungicide	May 31	48
decision delay	June 14	39	Monsanto producing isopropyl N-phenyl carbamate	Mar. 8	48	DDT emulsions sprayed from helicopters to be used in the Sudan	Mar. 29	28
<b>Fungicides:</b>			Name and active chemical quantity used per acre (table)	Jan. 19	40	Decreasing effectiveness of residual insecticides	Mar. 15	38
Calocure to control brown patch	Feb. 2	38	Hexachlorophene studied for use on skin of experimental animals	June 14	33	Du Pont's EPN insecticide for peaches	Apr. 12	44
Certain rubber accelerators are also good fungicides S. S. Block	Jan. 26	29	Hexaethyl dilead converted to tetra-alkyl lead compounds	June 28	33	Electrostatic dusting technique to apply insecticides	Mar. 8	46
Chemicals for fungus control S. S. Block	Jan. 26	21	Heyden Chemical plant at Houston Ship Channel	Mar. 22	16	Eaton Chemicals expands	Feb. 16	56
Cutter laboratories with Undeslin to cure athlete's foot	Feb. 23	53	Hilton-Davis Chemical Co. acquires distribution center	Apr. 5	62	Furethrin synthesized by U. S. Dept. of Agriculture	May 31	30
Du Pont experimenting with new fungicide	Jan. 12	32	Histamine synthesis from Scotland	Apr. 5	59	Garbage pulp repellent	June 28	49
Phenyl mercury oleate fungicide	June 28	50	Hooker Electrochemical to expand at Tacoma, Wash.	Jan. 12	20	Granulated insecticides	Mar. 22	32
Simple technique for the laboratory assay	Mar. 29	37	<b>Hormones:</b>			Gulf Oil Corp. produces radioactive pyrethrins	June 28	31
Furfural—Quaker Oats to build furfuryl alcohol	June 7	16	Apricots increase in size due to 2,4,5-T	Feb. 2	40	Hyman experimenting with new insecticide	Jan. 12	30
<b>G</b>			Effect of hormones upon unproductive dairy cows	Jan. 26	38	Hyman, Julius & Co. Denver plant has big fire	Mar. 22	26
Gas, synthesis, for preparing liquid fuels to be improved by U. S. Bureau of Mines	June 15	39	Leffler Laboratories reports a simplified synthesis of the steroid, compound F	Mar. 8	24	Market and developments in insecticides	Feb. 2	48
<b>Gasoline:</b>			Life of a lemon prolonged by weed hormones	Jan. 26	49	Method for determining residual quantities of chlorinated insecticides on fruits	Mar. 22	42
American technology makes gasoline in Italy	June 7	23	Product isolated from pepsin digests of corticotropin	May 17	37	Methoxychlor dust for strawberries	May 24	44
Berkman catalyst up performance of octane in an automobile engine	Feb. 2	28	Yale Testex salt halted	June 28	14	Mysterious loss of cotton treated with weed-killer	May 31	48
Geigy, J. R. buys land in Mobile, Ala.	Mar. 22	18	Hoe, flexible	Mar. 9	38	Pennsylvania Salt Co. develops insecticide containing malathion	May 10	50
General Aniline & Film Corp.—syndicate formed to purchase	May 3	9	Howe & Sons, Ltd. sets up Canadian subsidiary	Apr. 5	26	John Powell & Co. supplies insecticide concentrates	Apr. 5	66
			Huber, J. M. plant near Baytown, Tex.	Mar. 22	15	Pyrene for wheat protection	May 31	45
			Hydrazine tracer	May 24	28	Radioactive-labeled parathion to be studied	May 3	29
						Squeeze-on insecticide put out by Bonide Chemical Co.	June 21	53
						Systemic insecticide, Systox, introduced	May 17	50
						Termiticide	Apr. 5	66
						U. S. Forest Service controls timber losses with chemicals	Feb. 16	52
						Virginia farm department to discontinue permits for insecticide-termitizer mixtures	Apr. 19	46
						Wax insecticide	Feb. 16	56
						Wyandotte Chemical's new Industrial Insecticides Dept.	Mar. 22	57

Insulin subject to tax in Syracuse, N. Y. Apr. 26 42

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Beckman Instruments to expand Mar. 8 26  
The threat of foreign competition Jan. 26 32

Insulation of hydrous calcium silicate put out by Kaylo June 21 63

International Management Productivity Mission "Operation Impact" discussed in Europe Mar. 1 14

International Materials Conference sovereignty of Congress challenged Mar. 22 16

International Paper supplies itself with chlorine stock from Mathieson Apr. 5 24

Inter-plant communications by pneumatic tube conveyor May 31 42

Ion exchanger for boiler plants Mar. 15 61

Iowa State College receives grants for agricultural research Feb. 16 34

Iraq—Four-year development plan started Mar. 1 22

Iron oxide—Stabilized Pigments upped production Feb. 9 24

Irradiation harmful to food June 21 15

Isonicotinic acid hydrazide picture shows new manufacturers, new process Apr. 19 27

Isonicotinyl hydrazide drug made by U. S. Vitamin Corp. also May 31 30

Israel—Chemical pilot plant for research Jan. 19 26

Italy—National Alunite's new Italian plant goes on stream May 17 15

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Japan—R. S. Aries & Associates establishes branch in Tokyo Jan. 12 22

Chemical needs Jan. 14 44

Jet cleaner Apr. 26 36

## K

Kettle, synthetic resin Jan. 12 26

Kingsford Chemical Co. incorporated Jan. 12 20

Koppers Corp. at Port Arthur Mar. 22 14

Koroseal uses June 7 46

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**Labor:**

Anticipating unions Mar. 15 24

Apprentice deferment Feb. 9 22

Atlantic Refining Co. Philadelphia plant picketing a mistake Feb. 23 18

Atlas Powder Co. signs new contract Feb. 2 18

Atomic Labor Relations Panel Mar. 15 28

Berea Rubber Co.—union charged with distortion June 28 19

Calco Chemical & Plastics Div. workers sign contract Apr. 26 12

Canadian Synthetic Rubber Co. signs with union Feb. 16 16

Carbide & Carbon Chemical's Whiting, Ind. out on strike May 10 18

Carbide & Carbon Council move toward a master UCC contract Jan. 12 14

Carborundum's Niagara Falls plant has wildcat strike Apr. 12 13

Celanese Corp. workers decide on union Apr. 19 19

Chemical industry enjoys peaceful labor year June 21 15

Chemical industry shows little manpower turnover Mar. 1 11

Chemical laboratory workers at Texas Co. join in strike Mar. 8 11

Chisholm Ryder Co. strike decided in favor of the company Apr. 26 12

Connecticut Chemical Research Corp. ordered to reinstate 23 employees Mar. 29 18

Consolidated Chemical Co. signs labor contract Feb. 16 18

Construction of nine chemical plants in Texas resumed when strike ends June 7 26

Continental Rubber Co. walkout over wage increase May 17 18

Continental Rubber Works accepts wage increase Jan. 12 17

Delta Chemical Mfg. Co. charged by the Government with violating labor laws Apr. 26 13

Donington Tar & Chemical Co. labor agreement Feb. 2 18

Dow Chemical holds quiz program at Freeport, Tex. with supervisors June 21 15

Ethyl Corp., Baton Rouge, La. employees suit against company lost June 28 16

Ethyl Corp. employees at Baton Rouge seek portal-to-portal pay Apr. 19 19

Firestone Tire & Rubber settles dispute with wage increase May 31 22

Gas, Coke & Chemical Workers Union organizing jurisdictional drive Feb. 9 14

Gas conversion men voting to change unions Mar. 29 18

Geigy Chemical has labor trouble June 7 16

General Aniline & Film, Ansco Div. charged with unfair practices June 7 16

General Dyestuffs Corp. workers organizing drive Mar. 29 18

Goodrich, B. F. rubber workers lose Government action to impose the union shop upon all workers W. A. Jordan Mar. 29 2

Gulf Oil's ethylene plant at Port Arthur halted by dispute Mar. 29 18

Hammermill signs agreement with workers June 28 19

Harshaw Chemical Co. amends employee retirement plan Feb. 16 16

Hercules Powder Co. employees elect bargaining agent Apr. 19 19

Hoosier Ordnance to vote on union Apr. 26 12

Hoosier Ordnance Works men organizing Mar. 29 18

Indiana Ordnance Works, Louisville, Ky. has fourth walkout June 12 15

International Chemical Workers Union loses fight with N. W. & U. S. Phosphoric Products Div. Jan. 26 11

International Nickel wage increases Feb. 9 22

Johnson & Johnson's workers at New Brunswick plant win strike June 28 19

Kentucky Synthetic Rubber Corp. strike Feb. 16 18

Koppers Co. grants wage increases Feb. 9 22

Koppers Co. plant at Oil City, Pa. strike Mar. 29 17

Lederle Laboratories labor trouble Apr. 5 18

Lehr Air Products Co. strike averted Mar. 15 28

Linear, Inc. closes plant at Plymouth, Pa. Apr. 19 19

Magnolia Petroleum Co. forbidden to interfere with membership of workers in the unions May 10 18

Mathieson Chemical Corp.'s Brandenburg, Ky. plant labor trouble Apr. 19 20

Minnesota Mining & Mfg. Co. elect Gas, Coke & Chemical Jan. 12 14

National Carbon Co. election set aside Mar. 15 28

National Carbon Co. raises wages May 17 21

NLRB rules that employees having access to secret formulas cannot be prevented from joining a union May 31 22

New wage rates for the Walsh-Healey Act Apr. 26 12

1951 best labor year since the war Feb. 23 18

Nosco Plastics wants to get back into the plant Apr. 26 12

Oil strike in Texas broken May 31 21

Oil Workers and Farmers Union Central Exchange agreement thrown out by WSB May 24 11

Pernolite Co. workers given wage increase Feb. 16 16

Robeson Process Co. walkout ends Apr. 26 12

Rubber next on the higher wages June 7 13

Schwartz Laboratories workers sign contract with CIO local Feb. 23 18

Socony-Vacuum Oil Co., Buffalo, settles with union May 31 22

Solvay Div. guilty of unfair labor practices June 7 16

Standard Oil Co. of Indiana wage mixup May 17 21

Steel-oil hookup June 7 16

Steel union waiting for Truman's decision May 24 11

Strikes—effect of steel and oil strikes in the chemical industry May 10 59

Sympathy strike of United Rubber Workers local at Goodrich Co. Apr. 12 13

Textile fracas Mar. 15 28

Textile Workers ask for 35-hour week with 40 hours pay May 10 18

Two Denver oil well drilling companies penalized for paying wages above regulations May 17 18

The union shop issue A. S. Haywood May 3 2

United Mine Workers District 50 ruled as committing an unfair labor practice June 28 16

United Mine Workers win at Wyandotte Chemical Feb. 23 17

Virginia-Carolina Chemical Corp. wage increase Feb. 9 24

WSB shifts in chemical clauses Apr. 12 13

Warner-Hudnut organized Jan. 12 17

Westinghouse at Bowling Green, Ky. files counter suit against employees June 28 16

Westinghouse gives cost of living raise May 17 21

Whitehall Pharmaceutical Co. AFL teamsters lose in election Feb. 9 22

Lacquer—United Lacquer Mfg. Corp. sells new lacquer synthetic finish Apr. 26 50

Lake Chemical Corp. bought by Dexter Chemical Corp. Mar. 15 44

Lambert Pharmaceutical consolidation Jan. 26 50

Laminated sheets of polyethylene Apr. 19 40

Layton Elastic Glue Co. purchased by Paisley Products, Inc. Feb. 9 47

Leather tanners fighting artificial leather manufacturers May 31 44

Lignin—Vanillin from lignin to be produced by Monsanto and Ontario Paper Feb. 2 33

Vanillin to be produced by Givaudan, Delawanna May 31 37

Lindane—American Aerovap, Inc. holding patent in lindane vaporizing devices wins infringement suit Apr. 19 53

Treats corn repels felling pheasants Feb. 9 47

Lindane vaporizer Apr. 5 66

Lindsay Light & Chemical changes name June 28 14

Line purifier Mar. 8 38

Liquid feeding unit Mar. 22 62

Liquid level device June 21 63

Lithium—Foster Mineral to expand production June 7 16

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Lithium aluminum hydride—French report new quantitative determination Mar. 1 34

Now free of royalties at Metal Hydride Apr. 5 62

Lithium hydroxystearate Apr. 12 28

**Lubricants:**

Additive for motor oil June 28 51

Lead-Lube Apr. 12 42

Lubricants for motors to be improved by chemical additives June 7 49

Lubricants from turpentine May 3 27

Magnesia—Pure magnesia reported at Crepet in the French Pyrenees Apr. 19 23

Magnex Corp. a new instrument firm Mar. 15 61

Magnolia Petroleum—thermoform catalytic reforming unit to go in at Beaumont Mar. 22 15

Management—American Institute of Management names Procter & Gamble as best management company in the country Feb. 23 13

"Human engineering" course given personnel at Emery Industries June 14 11

Manganese—Senior, Juengling & Knall to mine manganese May 3 12

**Manpower, Technical:**

British Columbia engineers adopts schedule of salaries Jan. 12 14

Careers in chemistry June 21 13

Clinical chemists certified Feb. 16 16

Civilian control over recall of reservists is urged by industry leaders, professional groups June 7 13

Lab-coat, slide-rule "union" Apr. 19 14

McCarran Act condemned by director of National Bureau of Standards Apr. 12 28

National Society of Professional Engineers' survey shows poor engineering-management communications Mar. 15 16

Organized, not "unionized" V. H. Kane Apr. 5 6

Planned technical personnel at Monsanto Chemical Co. May 10 18

"Recruiting" engineers in high schools Apr. 26 12

Manufacturing Chemists Assn. gives summary of public relations program June 28 11

Has four-point industry-wide public relations program Feb. 9 11

Materials Policy Commission—Report on what's ahead for supplies of basic raw materials June 28 12

Materials saved at Westinghouse Lamp Div. by offering premiums for thrift Mar. 22 25

Materials handling—American Cyanamid's methods for storing and blending wet rock phosphates Jan. 26 40

Mathieson Chemical Corp. at Lake Charles, Tex. Mar. 22 14

Stockholders to vote on setting up stock plan for employees Mar. 22 20

**Melamine:**

Melamine salts proposed for use in animal feed supplements May 24 30

Merrimac Div. of Monsanto Chemical to produce more Mar. 1 42

Triethylene melamine reduced white blood counts in clinical tests Mar. 15 66

Warwick Chemical Co. offers resin method for lending textiles "a hand" Mar. 15 37

Merk & Co. to construct plant near Albany, Ga. Feb. 23 17

Mercury compounds for fungus control S. S. Block Jan. 26 22

Mercury vapor detectors Apr. 12 34

**Metals:**

Chemical Construction Corp. uses chemical process for making metals May 17 43

Test for detecting oils, greases and fats on metal surfaces Jan. 19 32

Vacuum deposition for producing metal-to-metal bonds Apr. 5 36

**Meters:**

Magnetic flowmeter June 7 46

ph meter produced by Beckman Instruments Mar. 15 61

Rotary positive displacement meter May 24 36

Methanol—Commercial Solvents to expand plant at Monroe, La. Jan. 19 20

2-methylcarboxymethylcapthozathiolate to combat Dutch elm disease Feb. 2 38

Methyl-cellulose—Dow Chemical assigns new distributors Mar. 22 58

N,N'-methylene-bisacrylamide available at American Cyanamid Mar. 1 37

Methylene chloride—Controls still needed Feb. 9 52

5-methyl-1-hexene standard at American Petroleum Institute Feb. 16 34

**Mica:**

Found in North Carolina and in South Dakota	June 7 15
Mica, domestic, for electric insulators	Feb. 9 40
Three companies ready to crash market with processes based on domestic mica	June 21 59
Michigan Pipe Co. increases sales after Technical Audit is made	Mar. 29 13
Micro-Microammeter	Apr. 19 38
Micro rotameter	Mar. 22 62
Microscope for crystallography, chemical microscopy and petroscopy	May 31 30
Mildew—Fungus-proofing fibers S. S. Block	Jan. 26 30
Milium is ingredient of a new aerosol air deodorant	Apr. 19 50
Mill, Morehouse, has big capacities	Jan. 26 42
Minerals—Israel finds that the Negev Desert will yield supplies of different minerals for 1952 needs	Feb. 16 25
Minneapolis-Honeywell Regulator Co. grows	May 3 40
Minnesota Mining & Mfg. opens sales office in Atlanta, Ga.	Feb. 23 48
Promotes automobile repairs	June 28 42
To sell stock	Apr. 5 29
Miticides produced by Kolker Chemical at Newark	Apr. 5 63
Mixers—Sherry mixer	May 31 40
Models—Canadian Industries builds scale model of projected nylon plant	Apr. 26 34
Moisture detector	Jan. 26 52
Molybdenum disulfide powder for lubrication	June 7 52
Monsanto deposit found in Idaho	June 7 15
Monosodium glutamate—International Minerals & Chemical adding to San Jose, Calif. plant	Apr. 12 14
Market is tight	Jan. 12 41
Monsanto at Texas City	Mar. 22 14
Monsanto Chemical establishes new section to deal with industrial preservatives	June 14 52
Monsanto Chemical Co.'s Organic Chemicals Div. reorganization	Mar. 15 33
Morphine antidiote put out by Merck	Apr. 12 26
Mothproofing is on the upswing	Mar. 1 39

**Motors:**

Explosion-proof variable speed motor as a self-contained unit	Feb. 23 44
Fractional horsepower motors of new design	Mar. 29 41
Moving pictures as sales tools for chemical companies	Feb. 9 16
Mud drilling with sodium carboxymethyl-cellulose J. L. Craig	Feb. 9 3
Muriatic acid—Market has returned to normal	Feb. 16 65
Muscle relaxer	Feb. 2 40
Mylar polyester film is newest product of Du Pont research	Feb. 16 31

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Naphthalene—Import prices drop	Mar. 8 54
National Aluminate's new Italian plant goes on stream	May 17 15
National Assn. of Purchasing Agents meeting	June 7 40
National Cylind Gas acquires Procter & Gamble's subsidiary Portsmouth Oxygen Corp.	Apr. 12 16
National Gypsum purchases Wesco Waterpaints	June 14 54
National Lead Co. sued by OPS for over-claiming prices	Mar. 1 20
<b>National Production Authority:</b>	
Administration for each order (table)	Jan. 19 15
Chemical, Rubber & Forest Product Bureau's new chief	May 3 9
N. G. Slater Corp. charged with black market operation	May 17 22
Sulfur and sulfuric acid restricted	Jan. 12 13
Tracy exits—talking	June 7 14
National Research to expand	Feb. 2 19
National Science Board—C. I. Bernard becomes chairman	Mar. 8 24
National Science Foundation awards fellowship	May 3 40
Report on first year of existence	Feb. 2 27

**Natural Gas:**

Alberta gas: boom and wrangle	Mar. 15 20
	May 10 19
Alberta oil and gas will go to Vancouver, B. C.	Jan. 19 20
Gas chemicals—decline and fall—report	May 10 25
Gas chemicals Parker Friselle, E. H. Reich	May 31 2
N. Y. State Natural Gas Co. dehydrates plant to remove water vapor from natural gas by employing diethylene glycol	Feb. 2 19
Odorants for gas	Apr. 26 57
Texas companies file suit against the state for its natural gas pipeline test	Mar. 29 18
Texas' natural gas 'gathering' tax dispute	Apr. 5 18
	May 31 18

Trans-Northwest Gas, Inc. ruled out of Alberta's natural gas tussle	Apr. 26 14
Natural Gas Odorizing Co. stock purchased by American Research & Development Corp.	Apr. 5 24

**Naval Stores:**

Andalusia, Ala. plant to be constructed	Apr. 12 14
Naval stores situation	May 31 53
U. S. Dept. of Agriculture reports on terpene hydroperoxide research	Feb. 23 31
Neomycin goes commercial	Feb. 23 32
Neoprene lining for the outside of tanks	Feb. 9 38
Neotrine hydrochloride research	Jan. 12 36
New Wrinkle files suit against Interchemical Corp.	May 17 22
New York Quinine moves to Newark	Feb. 2 19

**Nickel:**

Nickel accelerators in phosphatizing treatments on zinc surfaces—patent suit	June 21 16
Nickel Processing Co. to build nickel-cobalt at Nicaro, Cuba	May 3 12
Sherritt Gordon to construct refinery at Fort Saskatchewan	Feb. 2 18
Smelting by-passed in metals revolution	May 17 43
Nicotinic acid from Argentina	May 3 20
Nitrate reagent	Apr. 5 36
Nitrates—Stable nitrates J. F. Doetsch, M. Tegtmeyer	Apr. 26 2
Unloading forbidden at North Carolina ports	Apr. 5 61
Nitric acid—South Africa Explosives & Chemical Factories to build plant	May 31 22
Nitrofurazone a furfural-derived pharmaceuticals	Jan. 26 49

**Nitrogen:**

African Explosives and Chemical Industries increasing nitrogen production	Mar. 29 20
Fine Organics wins Navy award for research on biosynthesis of organic nitrogen compounds	Apr. 26 28
Houston Oxygen puts new plant in operation	May 3 12
Micro nitrogen developed by the British	Apr. 12 28
Shortage in nitrogen-containing compounds	Feb. 9 51
Nitroglycerine—Canadian Industries Ltd. and Du Pont putting in continuous Blazir nitration process	Jan. 19 45
Non-ferrous metals pinch	Feb. 9 22
Nordhydroquinetic acid is a stabilizer for catene	Feb. 2 30
NV Chemisch Fabrik Naarden to establish branches in France and Japan	June 28 16

**Nylon:**

Brazilian company to manufacture	June 14 24
Du Pont grants licenses to seven German concerns	Apr. 5 29
Italian firm serves notice that firms who import nylon to Italy are subject to seizure	Mar. 22 58
Scouring cloth of nylon	May 31 48
Spanish Fefasa Co. to set up a "Purilon" plant	Apr. 26 20

**Odors:**

Library of odors kept by Boake, Roberts & Co.	Apr. 19 30
Odor service	Feb. 16 34
Odorous atmospheric contaminants to be characterized by an apparatus	Mar. 1 34
Sagarin Institute for Olfactory Research	Mar. 15 63
Smoke odor remover	May 10 50
Odorants for gas	Apr. 26 57
Office of Alien Property—switch in administrators	June 28 20

**Office of Price Stabilization:**

Iritox Chemical Co. and Buffalo Pharmaceutical Co. sued for above-ceiling prices	May 17 22
Price adjustments on non-profit items and "suspension" of controls in soft markets	May 3 53
Thomas, M. C. Co. charged with over-claiming prices	Apr. 26 13
Who to see on price controls	Mar. 22 18
Oil burner control	June 21 63
Oil well drilling corrosion control	May 24 44

**Oils:**

Archer-Daniels-Midland to manufacture bodied oils	May 24 14
Canada Packers to start vegetable oil hydrogenation plant in Winnipeg	Mar. 15 18
Continental Oil to erect lube oil additive plant	Jan. 26 12
Cottonseed oil plants in Calif. planned	Apr. 12 14
Emery Industries to put out hydrogenated castor oil and a textile processing oil	May 24 30
Extracting oil from Athabasca tar sands	Apr. 12 16

Fatty acids manufacture by hydrogenation in Canada	Jan. 12 20
Philippine coconut oil tax is "outdated"	June 14 22
St. Joseph Lead may diversify into oil and natural gas production	May 31 12
Shell Petroleum Co. has new refinery in Venezuela	May 17 27
Synthetic palm oil	Feb. 2 40
Orion for work clothes	Mar. 15 61
Orthodichlorobenzene to control insects in timber	Feb. 16 52
Oxide—Amount of ethylene oxide and glycols needed	Mar. 29 49

**Oxygen:**

Houston Oxygen puts new plant in operation	May 3 12
Industrial Air Products to manufacture oxygen	May 24 14
Joy Mfg. introduces machine for generating high-purity oxygen	Mar. 1 50
Transportable oxygen units in the field	June 28 34

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Pacific Coast Chemicals to market new equipment	Mar. 22 58
<b>Packaging:</b>	
New coating compound of starch, clay, pigments and resins for shipping cartons	Jan. 26 46
Olin Industries studying packaging film in below zero temperature	Mar. 8 22
Phenolic resin foam for packaging	Apr. 12 13
Pliofilm smokes	Apr. 12 13
Saran for foods T. G. Gibian	Apr. 26 2
Packing—"How to Pack" war materials booklet	Mar. 1 26

**Paints:**

Alkali resisting primer	Apr. 12 44
Construction of one-story paint plant	Apr. 5 41
Dewey & Army Chemical Co. to produce a paint latex	May 3 48
D. I. Paint & Wallpaper Co. merges with Hanna Paint Mfg. Co.	May 3 47
Fire-retardant paint	Mar. 29 26
General Paint develops a washable, flat finish	Mar. 22 32
Glass beaded "reflectorized" paints	May 3 45
Klimat-Pruf Paint Co. to expand	May 3 48
Maintenance that resists soiling	May 31 46
New federal specifications	Apr. 5 66
Odorless paints produced	May 17 51
Paint, plaster and color in one operation	May 24 43
Paint spray aid	Mar. 8 46
Penn Salt studies coatings that protect against corrosion	May 31 39
Polystyrene paint	May 24 44
Poster paint	Apr. 12 42
Poultry perch paint	June 28 48
Reichhold Chemicals introduces alkylid flat wall paint	Mar. 15 46
Rubber-base interior paints taking hold	Feb. 9 47
Rubber-base paint put out by National Gypsum Co.	Jan. 12 35
Scholle Chemical Co. to produce paints and varnishes	Feb. 16 56
Sillers Paint & Varnish Co. factory boosts production in single-story operation by changing pre-mixers	Feb. 16 51
United Wallpaper, Inc. makes color for paper-coatings and rubberbase paints	Apr. 19 54
White synthetic primer	Feb. 2 38
Wood stain	Mar. 29 28
Paints see also Pigments	
Palettes, rotating	June 21 61
Palmetto Chemical & Supply to sell, compound and distribute sanitary supplies	Apr. 26 50
Pan American Refining expanding Texas City refinery	Mar. 22 15

**Paper:**

Forty foot miniature mill	June 7 44
Nylon felt used for paper run instead of wool at Crown Zellerbach Corp.	Mar. 29 40
West Germany refuses high-price Canadian newsprint	June 28 42
Paper see also Pulp	
Para cresol—Hercules Powder Co. to build plant for making phenol, acetone and para cresol	Jan. 26 42
Para xylene—Humble Oil putting up a new plant	Apr. 19 35
Paranitrophenol for fungus control	Jan. 26 26
S. S. Block	Jan. 26 26
Parathion diluted with charcoal for young apple trees	June 21 54
Parathion handling shown on poster	Feb. 9 47
Parke Davis delays start of Cowan, Tenn. facilities	June 14 17
Planning expansion in Australia	Mar. 8 18
To open branch in New York	Feb. 2 40
Paste to plug cracks	Feb. 2 40

**Patents:**

Dow Chemical patent infringement suit ruling reversed	May 31 21
Government's anti-trust suit against New Wrinkle and Kay & Eas reinstated	Mar. 8 16



Arthur D. Little settles suit against government relating to vapor compression distillation patents.....	Feb. 23 17	Phillips Co. plant on Houston Ship Channel.....	Mar. 22 16	Synthane Corp. develops new thermo-setting laminate.....	June 28 33
New patent abstract service.....	Feb. 16 34	Phillips Petroleum plant at Goldsmith, Tex., 66,000th stockholder.....	Mar. 22 14	Three new rubber-modified styrene formulations now available.....	Mar. 29 38
Patent Office will rearrange its gazette.....	Apr. 26 18		Feb. 2 13	Trade practice rules prepared by the Society of the Plastic Industry.....	May 17 21
Schering Corp. patents for sale to manufacturers.....	Feb. 16 16	<b>Phosphates:</b>		Tupper Corp. to build plant near Orlando, Fla.....	June 21 54
<b>Pencillin:</b>		Amco Exploration wants to drill for rock phosphate.....	May 24 14	Urea advertising campaign.....	Apr. 5 61
Merck & Co. marketing new penicillin combination.....	Mar. 15 41	American Cyanamid's methods for storing and blending the wet rock.....	Jan. 26 40	Phlofinel smokes.....	Apr. 12 13
Merck & Co. marketing penicillin feed.....	Jan. 19 34	American Dye and Wood Co. acquires rights to MacKenzie process for making glassy phosphates.....	Apr. 19 49	Plywood Unice freight cars.....	Jan. 12 14
Prices cut to move domestic surplus.....	Feb. 16 64	Calcium and alumina phosphates mined in Thies, French West Africa.....	Apr. 26 18	Poison Ivy extract called Aqua Ivy to treat the poison.....	June 14 51
Pennsylvania Salt Co. and Sharples Corp. to merge.....	June 21 38	Dicalcium phosphate to be produced by Shea Chemical Corp.....	Jan. 19 20	Poison ivy ointment.....	June 28 50
<b>Pentachlorophenol:</b>		France plans modernization for her North African territories.....	May 3 20	Poison law in Mississippi.....	May 10 50
As base for wood preservative.....	Feb. 2 40	Jordan to transfer rights for working phosphate mines to Italian firms.....	Apr. 12 20		
New process developed for wood application.....	Mar. 22 32	Nitric acid substituted for sulfuric in the acidulation of rock phosphate.....	Apr. 5 42	<b>Poland:</b>	
Used to impregnate lumber.....	Jan. 26 29	Texas Corp. constructing phosphate plant in the city.....	Apr. 19 20	Reports that its chemical industry fills its quota.....	Feb. 16 25
Pentathyril tetratrate now doing as a drug.....	Feb. 23 37	Phosphites—Four new phosphites.....	Mar. 1 34	Six Year Plan calls for big development in chemical industry.....	June 14 22
Pefite—Kaiser Gypsum buys Oregon mine.....	May 31 12	Phthalic anhydride—Three ways to phthalic.....	Feb. 23 40	Speed-up in Utopia.....	June 21 14
Permanent waving—Sales Affiliates cold wave patents challenged by Toni and Helene Curtis.....	Mar. 1 41	<b>Pigments:</b>		<b>Polishes:</b>	
Thioglycolate based cold wave preparations scrambling for licenses.....	Jan. 26 45	Acheson Industries to expand pigment dispersions.....	Feb. 23 54	Canadian floor polish.....	Mar. 22 34
Peroxides, organic.....	June 28 42	General Electric's new resin is color booster in printing textiles.....	Feb. 9 32	Polystyrene polish for autos.....	May 3 47
Pesticides needed for the farms in 1952. U. S. distribution of major pesticides—crop years 1949-50, 1950-51.....	Apr. 26 50	Huber, J. M. Havre de Grace, Md. plant to produce soon.....	Feb. 2 18	Simoniz silicone based polish to be sold nationally.....	May 3 47
	June 21 58	Ultramarine blue pigment developed.....	Apr. 5 35	Suds and wax car cleaner.....	Apr. 5 65
<b>Petroleum:</b>		Violet pigments to be sold by Filo color & Chemical Corp.....	Mar. 1 26	Polycrylonitrile fiber to be produced in Germany.....	Mar. 29 37
American Petrochemical to build plant near Lake Charles.....	Mar. 22 16	Pine hydroperoxide developed by U. S. Dept. of Agriculture.....	Feb. 23 31	Polycylin chloride—Dow Chemical to produce polymerization of polycylin chloride.....	May 17 26
Anglo-Iranian Oil Co. extending holdings in Australia and Germany.....	Feb. 2 24	<b>Piping:</b>		<b>Polyethylene:</b>	
Anglo-Iranian Oil Co. planning Australian refinery.....	Apr. 19 23	Continental Oil and Sinclair Oil planning line from Sinclair, Wyo. to Salt Lake City.....	Apr. 19 16	Bottle barrage to Communist China.....	Feb. 16 20
Catalytic cracker built by Canadian Oil goes on stream.....	May 31 12	Edmonton, Alberta, to Vancouver pipeline.....	Apr. 12 16	Bottle for scalp remedies of polyethylene cut postage.....	Mar. 8 48
Distillation tower for aviation fuel.....	Mar. 29 40	Nickel-lined steel pipe.....	May 31 40	Carboys of polyethylene.....	Apr. 12 57
Eastern States Petroleum puts platforming unit in operation at Houston.....	Mar. 15 17	Photoelectric unit for detecting liquid in piping.....	June 28 38	Chlorosulfonated polyethylene made by Du Pont.....	Apr. 12 28
Esso Standard Oil may construct refinery near Norfolk, Va.....	June 21 19	Pipe supporter.....	June 21 63	New oblong containers in color.....	May 17 52
Esso Standard Oil to expand Baton Rouge refinery.....	Mar. 15 17	Plastic couplings.....	June 28 38	Rope of polyethylene.....	May 31 41
Five petroleum companies enlarging facilities at Spartanburg, S. C.....	May 24 54	Plastic joint.....	Feb. 23 44	Tomato catsup dispensers sell well.....	Apr. 19 16
Florida Petrochemicals to build plant to crack oil for gas.....	May 3 9	Salt Lake City to Boise, Idaho, pipeline.....	Apr. 12 16	Windshield sprayer.....	Mar. 8 48
	June 7 15	Stainless steel fitting.....	June 14 40	Polymers—American Viscose has patent for treating copolymers of trifluorochloroethylene and styrene.....	Mar. 8 26
General Petroleum builds tanks and a dock at Linnton, Ore.....	May 24 54	Pipelines—International Nickel's wood-pipe line for carrying ore concentrate.....	Feb. 2 34	Polyols trends.....	Jan. 12 41
Gyro Process Co. and Chemical Research Corp. suits against American Locomotive Co. involving process for cracking petroleum settled.....	Jan. 26 12	Piperonyl butoxide and related compounds as a dog lather.....	Jan. 26 49	<b>Polystyrene:</b>	
Hercules Powder's petrochemical plant to be built near Gibbstown, N. J.....	May 24 14	<b>Plasticizers:</b>		Catalin Corp. to have Calumet City, Ill. plant.....	May 3 12
Humble Oil gusher.....	Feb. 16 18	Pittsburgh Coke & Chemical to expand production.....	Feb. 16 20	Cements for bonding polystyrene.....	June 28 50
Imperial Oil to double capacity of its Loco, B. C. refinery.....	Jan. 26 12	Rohm & Haas introduces two new plasticizers.....	Mar. 22 32	Molding comin' off the press.....	Mar. 29 17
Imperial Oil to modernize its Regina, Sask. refinery.....	Mar. 15 17	Vinyl-chloride resin plasticizer.....	June 7 40	Polish for autos.....	May 3 47
Mexican government to add two new catalytic cracking units.....	Feb. 16 22	Vinyl plasticizer.....	Apr. 12 28	Polyvinyl chloride resin stabilizer.....	Feb. 23 47
Oil companies to battle to keep their tax depletion allowance.....	June 21 27	<b>Plastics:</b>		Potash for packaging is back again.....	Mar. 29 31
Platformer-Udex combination to produce benzene and toluene.....	Apr. 26 30	Antistatic and cleaning agents for acrylic plastics.....	May 3 47	Potash—Duval Sulfur and Potash Co.'s New Mexico potash plant tried out.....	Jan. 26 15
Robot "brain" that can analyze trace samples of petroleum products.....	Mar. 22 45	Barrington to manufacture vinyl chloride plastics.....	May 17 18	West Germany reports on potash.....	May 17 27
St. Joseph Lead changes charter to allow it to produce oil.....	June 28 16	Brazil plans castor-oil-based plastics.....	May 31 25	Potassium sulfate—International Minerals & Chemical Corp. to produce hydrochloric acid, magnesium oxide from byproducts.....	May 24 14
Sunray Oil constructing refinery near Corpus Christi, Tex.....	Apr. 19 23	Canada's tariff regulations.....	May 17 70	Potassium tantalum fluoride to be made by Fansteel Metallurgical.....	May 24 14
Weekly loss of petroleum chemicals due to oil strikes.....	May 10 60	Chemrock, new resistant plastic.....	June 7 46	Poultry nutrition to be studied by U. S. Dept. of Agriculture.....	Apr. 19 32
<b>Pharmaceuticals:</b>		Continental Can to discontinue plastics division.....	May 31 12	Power from Bonneville Power Administration for thirteen electroprocess plants.....	Apr. 5 21
India as a market for U. S. pharmaceuticals.....	Mar. 8 41	DeHill & Richardson set up company to make pilot manufacture of plastics.....	June 21 19	Precipitated chalk manufacture discontinued by West Virginia Pulp & Paper.....	June 21 16
Israel making plastic for industry.....	Mar. 1 22	Duss Wallace Co. exporter of plastics taken by Smith Kirkpatrick & Co.....	Mar. 22 54	Prices—Forecast should be based only on current economic conditions.....	June 21 47
McKay Davis Chemical Corp. of Cuba to manufacture pharmaceuticals for American firms entering Cuban market.....	May 10 50	Fluoroplastic molding powders reduced in price.....	Jan. 19 52	Printing problems studied by the National Printing Ink Research Institute.....	June 14 35
Parker Davis & Co. opens depot in Miami, Fla.....	May 3 48	Foam plastics used as insulation in refrigerated trailers.....	May 31 34	Process timer.....	Mar. 15 61
Phase equilibrium computer.....	June 28 38	Foaming Vinylite plastisol.....	Mar. 29 36	Productivity increase in the chemical industry studied by the British in tour of U. S.....	Apr. 5 21
<b>Phenol:</b>		Gafte a thermoplastic of methyl a-chloroacrylate.....	Apr. 5 35	Propylene—Gulf Oil's propylene tetramers may go into other than high-octane gasoline.....	Feb. 9 24
Hercules Powder Co. to build plant for making phenol, acetone and para cresol.....	Jan. 26 42	Japan to produce vinyl plastic.....	May 24 20	<b>Public Relations:</b>	
Manufacture of phenol via cumene hydroperoxide by Shawinigan British-American.....	Feb. 2 12	Kellogg, M. W. building plant at Jersey City.....	June 28 14	Ciba States, Ltd. sells the residents on a chemical plant.....	June 14 20
Nonyl phenol added to Rohm & Haas Co.'s line of alkyl phenols.....	Apr. 19 30	Mold release product.....	May 31 47	Kay-Fries Chemicals, Inc. runs ads to inform the community about the company.....	Mar. 22 20
Phenolic foam for packaging.....	May 3 40	Monsanto Chemical Co.'s Plastics Div. to do color research.....	Mar. 22 45	Manufacturing Chemists' Assn. gives summary of public relations program.....	June 28 11
Reichhold Chemicals to increase production.....	Feb. 16 18	Nautagut Chemical Div. opens sales office for rubber and plastic latices.....	Feb. 23 48	Manufacturing Chemists' Assn. has four point industry-wide program.....	Feb. 9 11
Straun of phenol destroying bacteria.....	Apr. 5 39	Packaging food with a Saran polymer film.....	June 28 42	Moving pictures as sale tools for chemical companies.....	Feb. 9 16
Phenolics for fungus control via Block agent.....	Jan. 26 25	Plastic strip finish for paint masking.....	Mar. 8 48	<b>Pulp:</b>	
Phenylbutazone is a new anti-arthritis agent.....	June 14 30	Plastic upholstery features in International Home Furnishings Market.....	June 28 59	American Viscose and Puget Sound Pulp & Timber to produce wood pulp in Alaska.....	May 10 20
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Philippine Republic—New industries.....	Jan. 12 26	Polystyrene marketed by Koppers Co. Reinforced plastics loom as competitors to other structural materials.....	May 24 61	Canadian pulp mills to be built and Columbia Cellulose to increase production.....	Feb. 23 17
		"Self-extinguishing" plastic.....	June 28 49	Celgar Development to build pulp mills in British Columbia.....	Jan. 26 12
		Skin for metals.....	May 31 47	International Resources to build wood pulp plant.....	Apr. 19 16
				New Zealand to have pulp mill.....	Jan. 19 26



Pulpers trying to expand outlets for dissolving pulp and pulping liquor byproducts.....	Apr. 12	51	Rectifiers—mechanical rectifiers offer savings on power and unit housing.....	Feb. 16	37	Cation exchange resin put out by Kohn & Haas.....	June 28	29
Rayonier, Inc. to produce chemical wood pulp.....	June 21	14	Selenium rectifier with Thermoswitch units.....	Feb. 9	38	Complete plant to produce synthetic resin emulsions shipped to Brazil.....	June 28	34
St. Lawrence Corp. to absorb assets of three Canadian pulp producers.....	Mar. 29	14	Refrigerating system, portable.....	Apr. 19	38	Formaldehyde urea resins.....	Apr. 19	16
Western Plywood to construct mill at Quesnel, B. C.....	Feb. 2	18	Reichhold Chemicals distributes from short distances from many plants.....	May 17	67	General Electric's new resin is color booster in printing textiles.....	Feb. 9	32
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Hard rubber pump.....	June 28	38	American Aniline & Extract Co. planning laboratory.....	May 31	30	Resin stabilizer.....	Feb. 23	37
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Industrial hand pump.....	June 21	63	Army Medical Dept. Research sets up Biophysical Instrumentation Dept.....	Jan. 19	36	Resorcinol is decontrolled—market developments.....	June 7	59
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Dow Corning Corp. sends silicone exhibition to potential customers.....	Jan. 26	10	Porous stainless steel sheets.....	Apr. 5	47	Tartaric acid—New synthesis of tartaric acid worked out at Columbia.....	Apr. 26	28
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National Petroleum Council and Chapman of the Interior squabble about synthetic fuels	Aug. 16	11
Quartermaster Corps, doing research on portable heat	Aug. 16	24
Synthetic fuel plants—1950 production and forecasts for 1955 and 1975	July 5	26
Trioxane production	July 5	29
Trioxane produced by Celanese Corp. at Bishop, Tex.	Aug. 2	49
Trioxane, the solid fuel used for heating field rations	July 26	61
Fumes—Port Richmond, Pa. residents suffer from zinc fumes	Aug. 2	22
Fumigating ships with hydrogen cyanide	Nov. 22	54
Fumigation plant for Wilmington, N. C. to treat cotton	Nov. 29	75
<b>Fungicides:</b>		
Copper-based organic fungicides	Nov. 29	75
Enamel incorporates a fungicide	July 26	46
400 fungicide, Esso lab-developed, for apple growers	Sept. 27	87
Furfurylamine samples available from Commercial Solvents Corp.	Dec. 13	36

## G

Galvanizing, cold	July 19	30
Gamma ray generator is the Navy's newest weapon	Oct. 18	36
Gasket of fiber	July 12	44
Gasoline-Vinadium oxide helps upgrade gasoline stocks by removing undesirable sulfur	Sept. 27	56
Geigy & Co. wins suit on chemical dust brought by tobacco farmer	Dec. 13	17
General Aniline & Film Corp. legal tangle to be settled	Nov. 1	11
Georgia Pigment Co. acquired by Godfrey L. Cabot	Sept. 13	18
<b>Germany:</b>		
Trends in East Germany's chemical industry	Dec. 13	23
West Germany's chemical workers want re-determination	Aug. 16	12
<b>Germicides:</b>		
Flint, Eaton & Co. searching for new germicides	Oct. 18	40
Trichloromelamine for rinsing army mess kits	July 19	47
Gilsonite—Utah Gilsonite Co. purchased by G. S. Ziegler	July 26	46
<b>Glass Fibers:</b>		
American Air Filter Co. plans construction of glass fiber plant	Dec. 20	16
Libby Owens-Ford acquires new property to further business	Nov. 15	18
Pittsburgh Plate Glass producing glass fiber	Oct. 18	21
Globeline—to purify water in Korea	July 26	54
<b>Glue:</b>		
Cold rendering for extracting oils and fats from glycol ethers	Nov. 8	60
Northrop Aircraft developed adhesive	Nov. 22	54
Reichold Chemicals and American-Marietta Chemical suit for glue patent	Sept. 13	18
<b>Glycerine:</b>		
Cheap synthetic substitute for glycerine	Aug. 30	38
Glycerine producers' Assn. establishes awards for research	Aug. 2	63
Japan to allow imports	Oct. 18	22
Market for glycerine and sorbitols	July 26	51
Glycidonitrile put out by Rohm and Haas	Oct. 4	59
<b>Glycols:</b>		
Allied Chemical & Dye's Nitrogen Div. to start plant in Texas	Nov. 15	17
Four glycol ethers from Ansol Chemical Co.	Dec. 20	38
Whither ethylene glycol?	Oct. 11	67

Gold and cadmium alloy bent when cold, returns to original shape	Nov. 8	40
Goodrich, B. F. Chemical Co. establishes sales office in Philadelphia	Sept. 27	70
Grace Chemical Co. obtains Delaware charter	Oct. 18	18
Grace, W. R. & Co. and Davison Chemical Co. combine for chemical manufacturing	Nov. 29	57
Grasselli Chemicals moving into warehouse at Albany	Sept. 13	46
Great Britain—Has Colombo Plan to help development of Asia	Dec. 20	17
Gulf Chemical Products Co. organized	July 26	44

## H

<b>Hair tonic—Sulfur 8 Chemical's advertising softened</b>	Sept. 20	23
Hair tonic manufacturer accused by FTC of misleading representation	Sept. 27	24
Harvey Machine Co. absorbed by Anaconda Aluminum	Oct. 18	18
Heat exchanger, aluminum	Oct. 25	54
Heat exchangers, tubular—expansion goods	Oct. 11	46
Heater for use in industrial ovens	Sept. 27	24
Heceogen extracted from sial juice	Aug. 9	36
Helium liquefied bought by Japanese university for research	Sept. 27	55
<b>Herbicides:</b>		
Canadian National Railways battles weeds	July 26	43
Ethyl Corp. uncover new plant growth inhibitor	Nov. 15	40
German weed preparation	July 26	43
2,4-D modified, found to improve growth of certain tomato plants	Oct. 4	48
2-methyl-4-chlorophenoxyacetic acid to be produced by Monsanto	Dec. 13	57
Sodium arsenite and petroleum oils to control mesquite	Dec. 13	54
Sodium chlorate production to increase	Dec. 6	57
Texas cotton crops along one highway accidentally receive dose of weed killer	July 12	42
Weyerhaeuser Timber Co. cuts down brush with airborne herbicides	Nov. 1	44
Heterocyclic sulfonamides—American Cyanamid patents a new class	July 12	50
High-pressure equipment to be shown by Germany in Chemical Exposition	Aug. 23	47
Histamine—Abbott Laboratories produces 2,4-dinitrophenyl histamine	July 12	50
Hop belt social	Aug. 9	26
Holland magazine gives free trade notices to importers and exporters	Aug. 9	30
Hood Chemical Co. to construct plant in Charlotte, N. C.	Sept. 13	46
Hooker Electrochemical opens Chicago office	Oct. 4	14
To locate shop in Canada	Oct. 4	14
<b>Hormones:</b>		
Ciba Pharmaceutical Products wins judgment in patent suit with Chemical Specialties	July 26	16
Electrochemical Synthesis of hormones at Pratt Institute	Aug. 30	37
Galat Chemical Corp. develops new synthesis for plant hormone	Sept. 13	39
Research campaign to develop synthetic procedures for hormones	July 12	47
Yale Pharmaceutical Co.'s sex hormone declared misbranded	Aug. 9	42
Hotels—supplying the nation's hosts	Oct. 11	57
Humectant from wood	July 12	47
Humidity cabinet	Dec. 27	34
Humidity chambers	Oct. 25	54
<b>Hydrazine:</b>		
As a source of rocket fuels	Oct. 4	40
Fairmount Chemical puts out new unit at Newark plant	Nov. 15	17
From ammonia by the use of a high-frequency current	Sept. 27	55
Hydrides—University of Munich researchers prepare a series of new hydrides	July 26	36
Hydrocarbon Chemicals, Inc. acquires Cornwell Chemicals, Inc.	Nov. 1	13
Hydrocarbons—Aromatic hydrocarbons predicted requirements for 1955, 1960, 1975	July 5	30
Hydroelectric power shortage in Pacific Northwest	Nov. 1	11
President's Materials Policy Commission surveys sources of energy	Aug. 16	34
Hydrogen—Winning hydrogen from natural gas in the synthesis of ammonia	Aug. 30	28
Hydrogen cyanide for fumigation of ships	Nov. 22	54
Hydrogen peroxide—Buffalo Electro-Chemical Co. starts new plant in Vancouver, Wash.	Dec. 6	14
p-Hydroxybenzoic acid now an adjunct to antibiotic therapy	July 26	33
Hypertension drug picture	Dec. 27	22
<b>I</b>		
Ice cream imitations in which vegetable oils replace butterfat	Nov. 1	54
Ice tubes to keep food refrigerated	Aug. 16	29



Itotycin is a new antibiotic.....	July 5	38	Isophthalic acid.....	Aug. 16	59	Columbia-Southern Chemical, Natrium, W. Va., signs wage contract.....	July 26	23
Imperial Chemical Industries increases production.....	July 5	20	Isotopes:			Columbia-Southern, Lake Charles, La., signs new contract.....	Dec. 27	16
Now Britain's largest single source of foreign exchange.....	July 19	16	Battelle Memorial Institute receives radioactive cobalt 60 for research.....	Nov. 8	38	Columbia-Southern's strike in, plus Christi settled.....	Sept. 27	15
Sales development retarded by high tariffs.....	Aug. 23	60	Isotopes tritium incorporated into crystalline stilbene which gives fluorescent light.....	Oct. 18	43	Conventions in New York City.....	Sept. 13	24
Imperial Chemical Industries and Du Pont must end their joint ownership of Canadian Industries.....	Oct. 11	13	G. E. Knolls Atomic Power Lab stocked with pounds of cobalt-60.....	Nov. 1	31	Davison Chemical Corp. keeps grievances down with plant committees.....	Oct. 18	17
Imports:			West Germany symposium on radioactive isotopes.....	Nov. 22	40	Detroit glassworkers on strike.....	Dec. 27	16
1952 shows decline.....	Aug. 9	30	Israel:			Dewey & Almy's lockport, N. Y. workers receive increases.....	Sept. 20	28
Principal U. S. imports, chemicals and related products.....	Oct. 25	62	Canadian dollars in Israel.....	Aug. 9	24	Dow Chemical's labor contract.....	Nov. 15	22
Suggestion: import quotas, Riedel, Kithul.....	Sept. 13	2	Imperial Chemical Industries interested in the chemical industry to come.....	Sept. 13	22	Draft data.....	Nov. 15	21
Incentive plan wins at Standard Oil of N. J.....	Nov. 29	20				Drop in average weekly earnings.....	Oct. 25	22
Indiana Ordnance Works to open soon.....	Aug. 2	15				Du Pont Cel-O-Seal & Sponge workers have deadlock.....	Oct. 18	18
Indium to be made with a new process by Consolidated Mining & Smelting Co.....	Nov. 15	52				Du Pont experimenting with freedom from time clocks.....	Nov. 15	22
Indo-China to receive chemicals through Mutual Air funds.....	Nov. 29	59	Japan:			Du Pont's Neoprene Union is "company-dominated".....	Sept. 27	15
Infrared analyzer.....	Dec. 27	32	Mitsubishi Chemical to receive technical assistance from Monsanto.....	Oct. 4	24	Du Pont's plant, Buffalo, to have election.....	Dec. 13	26
Infrared spectrophotometry valuable in bacteriology.....	Sept. 27	55	Reduces imports of phosphate rock.....	Aug. 9	24	Du Pont River Road employees disband old and form new.....	Nov. 1	16
Ink:			U. S. working to break up Mitsubishi interest.....	Sept. 27	70	Electro Metallurgical Div. raises pay.....	July 19	20
Dutch develop a new fountain pen ink.....	Aug. 23	42	Jefferson Lake Sulphur Co. not to be paid judgment by Louisiana.....	July 12	14	Electro Metallurgical signs contract.....	Aug. 30	12
Scripto buys rights to Paper-Mate ball point pen ink formula.....	Oct. 25	67	Jet-Vac Corp. organized.....	Dec. 13	48	Electro Refractories have friendly strike.....	Aug. 23	14
Imis, Sprelen & Co. bought by Berkshire Chemicals from International Minerals & Chemical.....	Oct. 25	18				Employment rising.....	Nov. 29	26
Insect repellents—Applied to uniforms.....	Dec. 6	42				Fiberglass Co. signs contract with union.....	Dec. 6	20
Insecticides:						Firestone Rubber labor contract re-tarded.....	Nov. 15	21
Adhesives for insecticides are getting into major distribution.....	July 12	41	Kinz Chemical Co. buys building in St. Louis.....	Aug. 30	34	Firestone Tire & Rubber at Lake Charles has strike violence.....	Sept. 27	16
Beuzol Products increases allethrin capacity eight fold in two years.....	July 5	64	Kryptar Corp. bankruptcy proceedings winding up.....	Nov. 15	18	Firestone workers at Hamilton, Ont., return to work.....	Dec. 6	20
Bollworm killers.....	Sept. 6	67				Gas-Coke dislikes Taft Hartley law.....	Nov. 15	21
Bollworm study.....	Aug. 24	44				Gas-Coke members settle strike in Detroit.....	Oct. 4	12
Brazil may have insecticide plant.....	July 26	20				Gas-Coke union wins several victories.....	Oct. 11	26
Brazilian plants to supply Italy with DDT and other insecticides.....	Nov. 1	16	Labeling:			Gas-Coke unionists dealing with NLRB.....	Nov. 8	23
California bans two chemical pesticides.....	July 26	44	Labels—"delayed tack" case in court.....	July 5	15	Geigy Co. at Fresno rapped by NLRB.....	July 5	16
California ban on insecticides, the cause of the sleeping sickness.....	Aug. 9	41	Label regulations to be revised by Federal Security Agency.....	Oct. 4	59	General Aniline Works strikes Rensselaer, N. Y., arrested on charge of blocking coal cars.....	Nov. 1	16
California Spray-Chemical Co. to build plant in Blue Bluff, Ark.....	Oct. 18	52	Standardizing the labeling of dangerous materials.....	Sept. 20	52	General Aniline & Film strike at Rensselaer, N. Y.....	Aug. 30	12
Canadian regulation.....	July 12	44	Standardizing the labeling of dangerous materials.....	Aug. 2	44	General Aniline & Film's strike, Rensselaer, N. Y., finished.....	Dec. 20	18
Chemical Solvents Co. and Kan-fax Chemical Co. to make insecticides in Baton Rouge.....	Dec. 20	61	Labor:			General Aniline Works, Linden, N. J., signs contract with workers.....	Nov. 22	23
Chem-Dent Products to manufacture Dallas-Fort Worth spray blown by wind.....	Aug. 9	25	Acme Quality Paints signs wage contract.....	Oct. 11	15	General Dyestuff's N. Y. plant holding elections.....	Oct. 18	18
Diquaternary ammonium salts derived from dichlorooxane derivatives.....	July 5	41	Adamas Carbide mine workers gain increase.....	Nov. 15	21	General Refractories, Olive Hill, Ky., hit by strike.....	Dec. 27	18
Du Pont's EPN insecticide to be sold as dust.....	July 26	46	Adelphi Paint & Color Works grants wage increase.....	Nov. 29	24	Geneva get-together.....	Oct. 4	16
Eastman Kodak patents a propellant insecticide.....	Dec. 6	44	AEC labor relations at the Paducah and the Savannah River plants.....	Oct. 18	16	Glass workers win raise.....	Sept. 27	16
Elco Products Inc. to manufacture insecticides.....	Sept. 20	61	AEC Oak Ridge workers reject contract.....	Dec. 6	22	Glidden Paint signs new contract.....	Aug. 30	12
Fumigating strip of lindane-impregnated paper.....	Aug. 30	34	AFL and CIO chemical unions do not want to merge.....	Nov. 22	24	Goodrich, B. F. Co., accepts workers' demands.....	Sept. 20	26
Iraq continues war against locusts.....	Aug. 9	42	Allied Chemical & Dye back in production again.....	Oct. 18	18	Goodrich strike continues.....	July 26	16
Lindane - chlorinated polyphenyl mixture.....	Oct. 25	67	Allied Chemical & Dye, Solvay Process and Barrett sign wage contracts.....	Oct. 11	15	Goodrich worker at Akron sues firm and union.....	July 19	20
Lindane to be produced by Ethyl Corp.....	July 5	56	Aluminum Co. of America to sign five-year peace pact.....	July 26	23	Goodyear Engineering Corp. election settled.....	Dec. 6	18
New analytical method for insecticide residues.....	July 26	31	American Enka Corp. signs new wage contracts.....	Nov. 29	24	Hartsville Print & Dye Co. signs labor contract.....	Nov. 1	15
North Carolina physician charges that some of the insecticides are dangerous to health.....	Sept. 20	59	American Plastics signs new contract.....	Dec. 27	16	Hercules Powder gives back pay to Radford Arsenal workers.....	Nov. 15	21
Peach savor.....	July 26	43	Armour Fertilizer Works, Birmingham, Ala., to have wage boost.....	Nov. 29	24	Hercules Powder signs new contract.....	Oct. 18	18
Radioactive DDT studies as an insecticide against mosquitoes.....	Aug. 23	38	Atlas Powder lab men reject union.....	July 5	16	Hoffman-LaRoche Pharmaceutical boosts wages.....	Dec. 20	18
Smoke bombs for insecticides.....	Sept. 13	50	Bare Paper Co.'s contract with union has ghastly clause.....	July 19	15	Holiday concessions that may be granted.....	Nov. 22	26
Stick-type insect repellent.....	Aug. 31	34	Rough Chemical Co. workers change unions.....	July 26	26	Richard Hudnut signs new contract.....	Aug. 30	12
Temington Products Corp. ads toned down.....	Dec. 6	24	Beaumont, Tex. truck drivers reclassified.....	Sept. 20	26	Humble Refining plant has strike.....	July 26	23
Instruments:			Boyle-Midway wage contracts.....	Aug. 30	12	Hyman, Julius & Co. employees close their bargaining agent.....	Dec. 6	18
DO's not needed.....	July 5	67	Buchsbaum & Co. unionists and company officers meet at dinner for bosses.....	Dec. 27	16	Indiana Ordnance Works dispute over pipe unloading settled.....	Oct. 11	15
Production expansion.....	Dec. 13	34	Canadian companies hold elections.....	Nov. 29	26	International Graphite & Electrode Corp. receives increase.....	Dec. 6	20
Sales of laboratory apparatus.....	Sept. 13	39	Canadian paper works in line for wage rise.....	Nov. 29	26	Jefferson Island Salt has dispute over job-classification.....	Dec. 6	20
Insulin - British insulin combine called benevolent monopoly.....	Nov. 22	30	Carbide & Carbon signs pact.....	Sept. 13	26	Jefferson Island Salt Co. strike call on.....	Oct. 25	24
International Labor Organization meets in Switzerland.....	Sept. 6	16	Celanese Corp. gives wage increases.....	Oct. 18	18	Johns-Manville adds holidays.....	July 19	20
International Disagreement on standardization at meeting.....	July 19	19	Chemical industry running against the trend in factory manpower.....	Oct. 25	22	Johns-Manville, La., signs contract.....	Aug. 30	12
Inventory taken by air for TVA.....	Oct. 25	51	Chemical process industries shines as productivity paragon (chart).....	Dec. 27	14	Johns-Manville strike, Calif. settled.....	Aug. 23	15
Ion-exchange resin beads.....	Oct. 11	34	Chemical unions branching out.....	Sept. 20	14	Johnson & Johnson's Industrial Tape Co. has wage increase.....	Nov. 29	26
Ion exchange resins as a water purifier.....	July 26	41	Chemical wage rates will be figured on a lower yardstick by the Bureau of Statistics.....	Dec. 27	9	Kelly Island Lime & Transport signs contract.....	Sept. 20	26
Ipatieff, Vladimir N. memory honored by establishment of professorship.....	Dec. 20	38	Chemical workers exhorted to campaign for candidates friendly to labor.....	Aug. 23	15	Labor unions in the chemical industry strive for first place.....	Aug. 2	14
Iron alloys produced at Texas Tech & Chemical's electric furnace plant.....	Dec. 13	16	Chemical workers wages and hours.....	Sept. 20	32	Layoffs in vogue.....	Aug. 23	21
Iron complexes of ethylenediamine tetra-acetic acid help nutritional of citrus trees.....	Nov. 1	29	Chemical union to discuss strike fund.....	Aug. 23	17	Linde Air Products workers at Birmingham, Ala. receive increase.....	Nov. 29	24
Iron powder speeds growth of non-magnetic samples for metal analysis.....	Nov. 15	40	Chemical unions branching out.....	Sept. 20	14	Lion Chemical Co. strike settled.....	Sept. 13	26
Isomictic acid hydrazide improved the mental and physical condition of TB mental cases.....	Sept. 13	39	CIO convention elects W. F. Keuz as president.....	Dec. 13	15	Hermann Loewenstein's strike.....	Sept. 20	28
Isomictic hydrazides—Peru importing duty-free.....	Sept. 20	24	CIO Oil Workers have election.....	Dec. 6	22	Lone Star Ordnance Plant's bargaining agency decided.....	Dec. 20	18
			Colgate-Palmolive-Pet's Berkeley plant has strike.....	July 9	11	Mathieson Chemical's Doe Run, Ky., election won by AFL.....	July 26	14
			Columbia-Southern Chemical Corp., Barborton, Ohio, kept open by no-strike order.....	July 12	11	Mathieson's plant at Morgantown, W. Va., may have two more unions.....	Sept. 27	15
						Merck & Co. strike weakens.....	July 26	23

Michigan Limestone & Chemical signs contract	Aug. 30	12	Trends in labor problems	Oct. 11	15	Manganese Chemicals to build plant to treat manganese by the Dean process	Sept. 13	59
Midvale Co. pay raise	July 19	20	Unexcelled Chemical Corp. to argue suit with Justice Dept. on child labor provisions in Walsh Healy Act	Nov. 15	26	Synthetic manganese ore research by U. S. Bureau of Mines and American Iron & Steel Institute	July 19	30
Monsanto's plant at Springfield, Mass. has wage trouble	July 19	19	Union Asbestos & Rubber plant, Marshall, N. C. organized	Nov. 1	15	Manganese dioxide—American Metallic Chemicals producing electrolytic manganese dioxide	Aug. 30	12
Monsanto's Port Plastic plant, Addyson, Ohio, closes union	Dec. 13	26	United Gas, Coke & Chemical Workers shifting to pugnacity	Sept. 6	13	Manganese sulfate—Denmark to produce from bog iron ore	Nov. 1	18
Mutual Chemical Co. sued by employee because physical examination failed to show tuberculosis	Dec. 20	18	United Gas, Coke & Chemical Workers urge higher dues	Dec. 13	26	Manometer by Fischer & Porter	Nov. 29	54
National Carbon and Union get split decision from NLRB July 19	Sept. 20	24	U. S. Rubber Naugatuck plant starts strike but changes mind	July 12	14	<b>Manpower, technical:</b>		
National Distillers Chemical & Gas Coke union agrees on contract	Sept. 27	16	Upurge on the fringe benefits in the Chemical Industries (chart)	Nov. 1	15	Armstrong Chemical Assn. Technical Manpower Commission attacks the Armed Forces Reserve Act	Dec. 13	15
National Lead signs new contracts	Dec. 27	16	Vacations: staggered or shutdown?	July 5	13	Chemical engineers—Happy, well-paid	July 5	14
Naugatuck Chemical, Painesville, Ohio, receives wage increases	Oct. 18	18	Virginia Carolina Chemical increases wages	July 19	20	Chemical laboratory assistants	Aug. 30	15
Nebraska Ordnance Plant workers sign contract	Dec. 13	26	Wage rates vary in the chemical industry	Aug. 23	15	CW surveys the number of technical graduates and their job picks (table)	July 12	12
New head of Federal Mediation & Conciliation Service not yet in contact with chemicals	Oct. 25	24	Wages high in petroleum stills	July 19	13	Dominion Rubber Co.'s help-wanted bait	Nov. 15	18
New labor contracts	Aug. 9	24	Wages in chemical processing industries go up	Nov. 15	21	Engineering Institute of Canada discusses possible restriction of engineers into Canada	Dec. 13	24
New labor contracts involving wage increases	Nov. 8	20	Wages still on up-grade	Dec. 13	26	Engineering Manpower Council makes recommendations to insure both military and civilian needs	Sept. 20	15
Niagara Alkali grant benefits	July 19	20	Wages and value added by processing 1947-50 (charts)	Oct. 27	14	High school graduates work in Edison's laboratories in the day, study engineering at night	Oct. 18	43
Nickel and tandem miners striking	July 19	16	Washington elicits on labor	Oct. 4	20	In Carver's footsteps: colleagues in chemistry	Sept. 13	14
North American Cyanamid increases wages	Oct. 11	15	West Germany's chemical workers want cotelermination	Aug. 16	12	National Professional Assn. of Engineers, Architects & Scientists discontinue activities so members may join the Engineers & Scientists of America	Dec. 13	24
Oak Ridge atom plant averts strike	Nov. 1	15	West Virginia Pulp & Paper employees settle strike	Nov. 1	16	Plans for plenty of personnel	Nov. 22	30
Octagon Process Co. has plant election	Nov. 29	26	West Virginia Pulp & Paper's labor troubles spread	Sept. 20	26	Recruiting at colleges	Oct. 18	21
Oil workers accept settlement	Sept. 27	16	Whitehall Pharmacal's new contract covers office workers	July 19	20	Salary bid ajar	July 19	19
Oil Workers International Union proposes creation of unions within the oil and chemicals	Nov. 15	16	Wyandotte Chemical has a strike	Oct. 4	22	Shifting chemical careers	Aug. 30	9
Onondaga Pottery union in court	Nov. 15	22	Oct. 11, 16; Oct. 18, 18; Oct. 25, 17	Oct. 25	17	Shortage of engineers still	Nov. 1	15
Paduach atomic energy plant's bargaining agency decided	Dec. 20	18	Wyandotte Chemicals Corp. shuts down coal mine due to too high costs	Dec. 13	26	Statistics on scientists	Aug. 2	35
Paduach, Ky. labor situation may be investigated	Nov. 1	16	<b>Lacquers:</b>			Stretching the talent—survey by National Society of Professional Engineers	Dec. 6	16
Paduach, Ky. union battle	Dec. 27	18	Lacquers for plastics	Aug. 30	34	Manufacturing Chemists' Assn. discusses distribution	Dec. 6	47
Paduach, Ky. unions to hold monthly meetings	Oct. 25	24	Tennessee Eastman puts out new wood lacquer	Sept. 27	55	Issues list of certified chemical facilities by states	Dec. 6	14
Paduach, Ky. unions trying to outdo each other in grandeur of equipment	Dec. 27	16	<b>Law:</b>			Meets for the second time	Dec. 6	12
Paduach, Ky. workers sue	Aug. 9	25	High points in the new patent law	Dec. 13	30	Starts public relations program	July 5	19
Pathfinder Chemical Corp. and union make pact	Sept. 20	26	Smith bill on amendment to Universal Military Training Act opposed by unions	July 12	18	Margarine color contains vitamin A	Dec. 20	58
Pension plan at Archer Daniels-Midland	Nov. 29	24	Lazarus Laboratories to be controlled by West Disinfecting Co.	Dec. 6	44	Marketing the industrial chemical	Oct. 4	40
Polkex in labor unions representing chemical processing industries	Sept. 27	13	Leathes' laminated material containing caustic tested by mail-carriers	July 5	42	Mathbook put out by Schenley Laboratories	Aug. 2	65
Port Arthur, Tex. employees get back pay	July 12	14	Leitchin, completely saturated	Nov. 29	50	<b>Materials:</b>		
Prince Matchless Co. employees receive increase	Nov. 29	24	Level detector for sewage and water	Aug. 2	50	Hunter Associates Laboratory devoted to appearance of materials	Nov. 22	44
Republic Steel, Youngstown, troubled by walkouts	Sept. 27	16	Liggett & Myers Tobacco Co. accused by FTC of "false advertising" complaint killed	Dec. 13	18	Resources for the Future arranges for citizens' conference to discuss conservation of raw materials	Dec. 13	18
Reynolds Metals Co. and union settle	Sept. 20	26	Lignin—Monsanto and Ontario Paper to produce vanillin from lignin	Sept. 13	55	Standard Factors Corp. reports on manufacturers' procedures for handling new materials	Aug. 9	30
Rubber companies sign new contracts	Sept. 27	16	Lilly, Eli & Co. and Schwegmann Bros. tussle is postponed	Dec. 6	44	Matheson Co., Inc. and Coleman & Bell Co. consolidate	Dec. 20	18
Rubber workers want wage increases	July 19	24	<b>Lindane:</b>			Matheson Chemical Corp. accused of killing fish by industrial wastes at McIntosh plant	Oct. 4	15
Rufert Chemical & Seymour Mfg. plant workers return to work	Oct. 25	24	Ethyl Corp. to produce insecticide	July 5	56	Acquires assets of Activated Alum Corp.	Nov. 29	18
Rushmore Paper workers accept new wages	Oct. 11	15	Impregnating strips of impregnated paper	Aug. 30	34	Groups activities into four parts	Nov. 1	11
St. Regis Paper Co., N. Y. employees may have increase	Nov. 29	26	Liquid handling by gravity	Nov. 15	46	McIntosh, Ala. plant workers buy cripple a wheelchair and typewriter	Nov. 1	13
St. Regis Paper Co., Trenton, N. J. union victory	Nov. 1	15	Liquid liquid partition analysis by Martin and Syngue wins Nobel prizes	Nov. 15	17	Merger with E. R. Squibb approved July 19, 13, Sept. 6, 16	Oct. 11	16
Sharp & Dohme employees sign contract	Dec. 6	18	Lithium—Production and developments of lithium in U. S. 1947-1953	Nov. 8	57	McCarthy Chemical plant Winnie, Tex. built on IOU's	Aug. 9	15
Sharps Chemicals and union struggle	July 26	25	Longhorn Ordnance Works—technical consultant for reactivation of plant to be Thiokol Corp.	Nov. 1	14	Menmen Co. to move	Oct. 11	60
Shell's chemical plants on strike	July 26	15	<b>Lubricants:</b>			Merck & Co. adding to its St. Louis distributing facilities	Sept. 27	70
Smith bill on amendment to Universal Military Training Act opposed by unions	July 12	18	Cattle catch disease from licking machinery on farms	Aug. 23	19	Metacryl—Mt. Jackson-Great Eastern Mine shows a comeback	Aug. 9	52
Solvay contract okaved	July 12	14	Copper phthalocyanine is the galling agent for heat-resistant lubricant	July 5	37	Metals—Mid-air melt for purity	Nov. 8	36
Southern Alkali's strike ended	Dec. 20	18	Fiber lubricant	July 12	42	Methane—Predicted requirements for 1955, 1960, 1975	July 5	34
Squibb, E. R. & Sons employees receive increase	Nov. 29	24	Silicone-based lubricant	Aug. 30	34	Methanol—Rumanian plant uses natural gas to produce methanol and ammonia	Nov. 22	34
Squibb's New Brunswick plant to determine bargaining agent	Sept. 27	15	Lux Foam Rubber Co. to return to production as Foam Rubber Corp.	Nov. 8	46	Methionine synthesis at Beecham Research Labs.	Nov. 29	50
Standard Oil (Ind.) announces employee benefit plans	Aug. 30	12	<b>Management:</b>			N-Methylglucamine offered by Commercial Solvents	Nov. 29	50
Stauffer Chemical grants wage increases	Oct. 11	15	Executive worries	Nov. 22	15	Mica—Samica and General Electric dispute with Integrated Mica over mica patent	Oct. 18	28
Steel strike in eighth week	July 26	13	Hooker Electrochemical Co. gives course for training executives	Sept. 6	14	Mill, roller, developed in Germany	Dec. 13	46
Stock market sources report that some unions are buying corporation stocks	Dec. 27	16	Human side of management symposium	Nov. 29	26	Mills, high production by Morehouse Industries	Oct. 18	71
Strikes in chemical plants	Sept. 13	24	Ten best managed companies in the U. S. names four chemical companies	Nov. 22	17	Minerals—Monsanto Chemical joins with three firms to explore deposits of minerals in Uganda	Nov. 8	30
Strong Cobb & Co.'s strike settled	Sept. 20	26	<b>Manganese:</b>			Minerals Separation North American Corp. acquires assets of Atlatlapulco Clay Co.	Dec. 13	16
Summer's long-lasting strikes	July 26	19	Bagdad Copper to supply copper and manganese to DM A	Nov. 1	14	Mixing and kneading machine, planetary	Dec. 27	34
Sun Chemical agrees on retirement plan	Dec. 20	18	Chemical Corp. wants to use manganese with acid leach	Sept. 13	59	Model of Vick International in Philippines	Sept. 20	44
Swift & Co. and union settle phosphate strike	Aug. 23	15	Chemical Corp. to construct plant at Riverton, Minn.	Aug. 23	14	Models of process equipment in Procter & Gamble's laboratory	Sept. 20	75
Taft-Hartley Act changes expected	Nov. 22	26				Monoglycerides produced at Williamsport, Pa. by Glyco Products	Sept. 6	16
Texas, Port Arthur, employees threaten to set up picket lines	Dec. 13	24						
Texas labor laws	Dec. 6	22						
Textile Workers Union & Celanese sign agreement for wage increase	Nov. 29	24						
Thompson-Haywood Chemical goes to law against picketing by mine workers	Aug. 30	12						
Tidewater oil refinery, Avon, Calif. approves wages	Aug. 30	12						
Tracerlab keeps employees happy through "Auxiliary Board of Management"	Sept. 27	18						
Training for chemical employees before Intl. Labor Conference	Nov. 15	17						

Monsanto Chemical acquiring Detergents, Inc. and Eastern Packaging	Sept. 13	18
Gives picture of financial operations at A. M. A. meeting	Nov. 29	19
London company in the U. S. A.	Sept. 13	41
Morphine determined in morphine-codine mixtures by an ion-exchange separation	Sept. 27	56
Morse Mfg. Co. building new plant	Dec. 6	52
Mosquitoes studied off Florida's west coast, traced by radioactive phosphorus	Sept. 6	53
Moth proofing rinse for woollens	Dec. 20	61
<b>Motors:</b>		
Enclosed, high-slip induction motor	Nov. 15	55
Standard for ac motors 1 to 30 hp approved	Nov. 29	54
Municipal markets for the chemical salesman	Oct. 11	50
<b>Munitions:</b>		
Chemical Corps. leasing standby munitions plants	Sept. 27	16
Indiana Ordnance Works at Charles-town production lines go into operation	Sept. 27	16
Mutro Chemical Co. constructing Portsmouth, Va. plant	Aug. 2	53
Mutual security Agency wishes manufacturer to display MSA "emblem" on exports	Aug. 30	26

## N

<b>Naphthalene:</b>		
1950 production and projected production for 1955 and 1975	July 5	30
Produtrol Co. opens plant at Santa Fe Springs, Calif.	Sept. 13	16
National Agricultural Chemicals Assn. meets at Spring Lake, N. J.	Sept. 20	55
National Chemical Exposition in Chicago	Sept. 20	18
National Distillers' Products buys Algomun Chemical Aug. 2	Aug. 16	40
National Fireproofing Corp. changes name to Natco Corp.	Dec. 27	32
National Lead Bureau Assn. to give information on lead as a construction material	Aug. 30	31
National Lead Co. to acquire assets of Doedler Inc.	Dec. 27	12
National Production Authority—Chemical Division gives the score on chemical mobilization	Oct. 18	15
National Research Council awards Merck fellowships	July 5	42
<b>Natural Gas:</b>		
Austin, Tex. natural gas tax suits merged	Oct. 25	16
Canada keeps its gas	July 19	24
Flow Chemical files suit against gas and oil company	Oct. 4	15
Gas pipeline tax	Dec. 13	17
Hydrogen from natural gas in the synthesis of ammonia	Aug. 30	28
Plans to export natural gas to Northwest U. S. receive Canadian approval	Oct. 25	15
Predicted requirements for 1955, 1960, 1975	July 5	34
President's Materials Policy Commission reports on estimated petroleum and natural gas requirements for petrochemical industry	Aug. 16	57
President's Materials Policy Commission surveys sources of energy	Aug. 16	34
Westcoast Transmission arranges for funds for Pacific Northwest natural gas line	Nov. 1	14
Neutrons part of micro-analytical device at Stanford Research Institute	Nov. 22	40
Newton Chemical Co. incorporated	July 26	43
<b>Nickel:</b>		
Falconbridge Nickel finds new nickel-copper ore body	Sept. 13	16
Sherritt Gordon's Alberta refinery—score card on metals process	Oct. 11	44
Titles to Alaska properties staked by E. M. Flynn for Toronto interests recognized	Dec. 13	18
U. S. will purchase nickel from two Canadian mines	Oct. 11	16
Nigeria negotiating with American Smelting & Refining	July 19	19
Nitrates—Rocky Mountain Chemical processes ammonium plant at Billings, Mont.	Oct. 4	16
Nitrazole CF helps to make cold rubber without cold	Aug. 2	61
Nitric acid—Northern Chemical Industries will build plant at Sandy Point, Me.	Sept. 20	16
Nitrogen bactericide	Oct. 11	31
<b>Nitrofurans:</b>		
Phosphate, nitrogen and potash growth meets a growing need	Dec. 20	54
Turkey looking for U. S. capital to make possible production of nitrogen compounds	Nov. 1	16
Nitroparaffin, aliphatic—determined by Commercial Solvents	Nov. 29	50
<b>Nobel Prizes:</b>		
A. J. P. Martin and R. L. M. Synge receive Nobel prizes for liquid-liquid partition	Nov. 15	17

Nobel Prize in medicine won by S. A. Waksman for discovery of streptomycin	Nov. 8	38
Noise annoyance should be checked	Nov. 29	50
Norsk Hydro planning exit against North American Cyanamid Ltd. moves into Montreal plant	Sept. 13	46
Nozzle, Haver sparger	Nov. 15	55
Nucleoproteins to be discussed in symposium	Aug. 2	63
<b>Nylon:</b>		
Allied Chemical may produce a caprolactam-based nylon	Aug. 9	15
Decision in anti-trust suit against Du Pont and ICI rouses resentment in England	Sept. 13	14
Imperial Chemical Industries and Du Pont in midst of international dispute over British patents	Nov. 1	14
Nylon stocking rife	Sept. 13	51
Rapid tax writeoffs only for production of nylon	July 12	11
Switzerland company to make caprolactam monomer for its nylon	Aug. 30	18

## O

<b>O Cel-O to merge into General Mills</b>	Nov. 15	18
<b>Odors:</b>		
Airkem, to chase post-fire smoke odors, packed in polyethylene bottles	July 26	43
Odor control	July 5	67
Pine oil put in river to mask odor	July 12	44
<b>Office of Price Stabilization:</b>		
Amendment to General Overriding Regulation 3	Sept. 6	65
Chemical Specialties, Mfrs. Assn. urges that specialties products be decontrolled	Oct. 25	67
Tighe E. Woods now director	Sept. 6	15
Ohio Rubber Co. stock bought by Eagle-Picher	Aug. 2	15
<b>Oils:</b>		
Chayon process for rendering animal fat; Kingdom process with flash heat	Dec. 20	42
Cold rendering for extracting oils and fats from bones	Nov. 8	60
Drying oil based on linseed oil and styrene	Nov. 1	45
Fatty acid products whether they want a change in Census reports	Nov. 8	24
Fritzsche Bros. of Canada to have new building	Nov. 1	45
Ice Cream imitations in which vegetable oils replace butterfat	Nov. 1	54
S. C. Johnson & Son sells wax-type cutting oil	July 26	44
Lakers' Steel turning out package plants for extracting oil from cotton or other seeds	Sept. 27	60
New oil for crepe soaking of rayon	Aug. 30	34
Newport Industries planning plant for tall oil	Dec. 27	12
Silk-soaking oils	July 26	43
Soybean and cotton seed oil sales increased by big oleomargarine demand	Aug. 30	45
Tall-oil manufacturers and kraft paper firms form export association	Oct. 4	59
Olefin—Predicted requirements for 1955, 1960, 1975	July 5	33
Oleomargarine—booming sales mean big raw material demand	Aug. 30	5
Ordinance plant at McGregor, Tex. to be operated by Phillips Petroleum	July 19	16
<b>Organic Chemicals:</b>		
Distillation Products Industries adds eleven more	Nov. 1	32
Ten newcomers added to list	Dec. 20	38
Outdoor plant in Elizabeth, N. J. built by Reichhold Chemical	Nov. 29	54
<b>Oxygen:</b>		
Automatic analyzer	Sept. 27	60
Limde Air Products starts production of liquid oxygen	Oct. 18	21
Micro oxygen at Beacon Laboratories	Dec. 13	44

## P

<b>Packaging:</b>		
Acetate laminated to a heat seal coated pouch paper	Dec. 20	58
Private Brands, Inc. chemical packager is expanding	Aug. 30	23
Packaging machine	Nov. 29	60
Psychometrics to test consumer reactions to new packages of products	Dec. 20	61
<b>Paints:</b>		
American Chemical Paint Co. acquires plant in California	Oct. 4	48
American Chemical Paint's suit against Octagon Process for patent infringement	Oct. 18	26
American Marietta diversifies for strength	July 5	55
Antimold paint	Sept. 20	61
Canadian Industries putting greater emphasis on its paint and varnish business	Nov. 29	48
Du Pont's Teflon paint at \$75 per gallon sells briskly	Oct. 18	52

Latex paints instead of "rubber-based"	Dec. 13	54
New latex emulsion paints	July 19	36
Oil-soluble wetting agent possesses an anti-sagging additive	Oct. 11	59
Phthalocyanines: pigment prodigies		
Aaron Permat—report	Nov. 29	31-46
Resin vehicle for making rubber-type wall finishes	Nov. 29	75
Robot paint bartender	Nov. 15	66
Sales of paints climb	Aug. 9	49
Venezuela paint factories increasing	Dec. 27	10
<b>Paper:</b>		
Electrochemical recording paper	Nov. 8	40
Instrument to measure the stiffness of commercial paper	Nov. 25	34
Kraft paper and tall-oil manufacturer form export association	Oct. 4	59
Olin Industries Inc. to build paper mill in Arkansas or Louisiana	Dec. 20	16
Snyder Chemical to concentrate on specialty papermaking research	Nov. 29	50
Paper see also Pulp		
Paraffin—Phillips Petroleum starts production in Venezuela	Dec. 13	18
Parathion caution issued by Florida Citrus Station	Sept. 6	68
Parke, Davis & Co. to have sales building in Detroit	Dec. 6	47
Will erect laboratory in Venezuela	July 19	19
<b>Patents:</b>		
AFC withholds pay for design of ultra-centrifuge for isotope separation	Aug. 23	19
Du Pont and Imperial Chemical Industries finish compiling list of patents	Nov. 15	24
High points in the new patent law	Dec. 13	40
Italy has limited drug patents	Nov. 15	24
Italy reluctant to issue patents to American companies	Aug. 9	17
New patent law	Aug. 2	63
Phillips Laboratories, Inc. issued 85 patents in one month	Nov. 22	44
Proposed Government incentives for government employees	Aug. 16	49
Schering Corp. vs. U. S. Government on German patents	Dec. 13	16
<b>Pencil:</b>		
Austria refuses to import	Oct. 4	24
Expansion goal	July 26	52
Hungary expected to have a surplus for export	Oct. 4	24
Italian chemists report rapid method for determining penicillin in culture fluids or crude preparations	Nov. 1	32
Market conditions—exports, prices, manufacturers	Nov. 29	69
Poland producing crystalline penicillin	Nov. 22	34
Powerized penicillin	Oct. 25	67
Refuse penicillin to be used in Danish fertilizer	Nov. 29	50
U. S. not to export to Belgium	Oct. 18	22
Pennsalt International Corp. to have new company in Brazil	Nov. 15	30
Pentachlorophenol Research shows chemical when used as wood preservative not harmless to livestock	Aug. 2	63
Pentaerythritol phosphate patents issued	Oct. 18	40
Peptide intermediates marketed by Mann Research Laboratories	Oct. 18	40
Perkin-Elmer opens sales office in New Orleans	Oct. 25	54
Perlon—West Germany to increase production	Dec. 6	13
Perlon stockings in East Germany	Dec. 13	24
<b>Permanent waving:</b>		
Home wave kit manufacturers digging each other in ads	Aug. 23	42
McDonough known for his development of the "cold" wave receives medal	Dec. 27	42
Tom Co. tests hair waving preparations	Sept. 6	67
<b>Pesticides:</b>		
Armyworms march into Atlanta	Sept. 13	51
Dog-stick to kill insects	July 19	38
Mexico—Stauffer builds pesticide plant	Dec. 27	10
<b>Petrochemicals:</b>		
Estimated investment in petrochemicals in 1951 and 1952	July 19	23
President's Materials Policy Commission reports on raw materials required for petrochemical end uses	Aug. 16	57
Semet-Solvay forms sales group to market new products from petroleum	Dec. 20	62
Shell Chemical discusses petrochemicals at MCA meeting	Dec. 6	50
<b>Petroleum:</b>		
American Petroleum Institute has three more standard samples	July 26	33
American Petroleum Institute research project now ten years old	Nov. 22	42
British American Oil will add to facilities at Clarkson, Ont.	Nov. 1	14
Cepsa, Spain to produce petroleum aromatics	Aug. 30	18
Cities Service to expand its East Chicago, Ind. refinery	Nov. 1	14
Esso Standard Oil starts storage terminal at Pausboro, N. J.	Oct. 25	41
F. C. accuses oil companies of forming cartel	Sept. 6	15
FTC charges of cartel assailed	Dec. 13	18

Florida Petrochemical plant opposed, company changes plans	Aug. 30	20	<b>Phthalic Anhydride:</b>	Nov. 8	28	Montecatini to begin production	Nov. 8	28
General Petroleum Co. to construct a Thermator catalytic reformer	Nov. 29	10	1950 production and projected production for 1955 and 1975	July 5	30	Production now ample	Aug. 30	10
Growing importance of the Philadelphia area as an oil-processing center	Oct. 25	41	Phthalate anhydride division of Monsanto at Everett, Mass. adds dioctyl ester	Oct. 11	16	<b>Polystyrene:</b>	July 26	51
Harbor Products Pipeline being built	Oct. 25	41	Phthalocyanines: pigment prodigies	Nov. 29	31-46	Swing of polystyrene	July 26	43
Humble Oil & Refining to add a catalytic polymerization unit to its Baytown, Tex. refinery	Nov. 1	14	Aaron Permut report	Nov. 29	31-46	Dow Chemical begins production of polystyrene at Allen's Point, Conn.	Nov. 8	16
Humble Oil to construct solvent deasphalting plant at Baytown, Tex.	Nov. 15	17	Pier 57 for New York City is ready for delivery	July 26	63	Dow's new polystyrene plant ships up the Thames River, Conn.	Oct. 4	59
Movie "Fundamentals of fuel knock"	July 5	41	Pigments—Phthalocyanines: pigment prodigies	Nov. 29	31-46	Polyvinyl chloride film plant under construction by Monsanto Chemical	Dec. 13	16
Ohio Oil contract for Houdriforming unit to make aromatics	Sept. 13	16	Piperonyl butoxide: micro-determination developed	Dec. 13	36	<b>Potash:</b>		
Phillips Petroleum Co. completes cat-cracking plant	Nov. 29	20	<b>Piping:</b>			Dead Sea potash works to be semi-nationalized	Aug. 23	22
Phillips Petroleum dedicated cat-cracker plant woods Cross, Utah	Dec. 13	48	Continuous pipe reactor providing series of zones each having different temperature	Nov. 8	60	International Minerals & Chemical to boost Niagara Falls production by replacing old equipment	Oct. 11	16
President's Materials Policy Commission surveys source of energy	Aug. 16	34	Corrosion resistant tapes for pipe wrapping	Nov. 1	35	Nitrogen, phosphate and potash growth meets a growing need	Dec. 20	54
Shell Oil charged with restraint of trade by requiring dealers to handle only Shell Oils	Nov. 15	24	Couplings installed easily	July 5	67	Potassium pentaborate from Seaford	July 19	26
Shell Oil of Canada to expand Vancouver, B. C. refinery	Aug. 30	12	Imperial Oil, Ltd. testing plastic pipe for carrying crude oil	Oct. 18	71	Lake brine	July 19	26
Socomec-Vacuum, Standard of New Jersey, Standard of California, Texas Co., sued for overcharging Mutual Security Agency	Sept. 6	15	Patch for pipe	Dec. 13	48	Poultry vaccine	July 26	46
Standard of California to construct cracking plant at El Segundo	Aug. 30	12	Patching steel pipes with plastic	Oct. 4	43	President's Materials Policy Commission reports shortages coming, count on chemicals	July 5	25
Standard Oil of Texas completes refinery expansion at El Paso	Nov. 1	14	Plastic pipe from Detroit	Dec. 27	34	Pressure regulator and filter	Oct. 25	54
Sun Oil's second catalytic waste-burning unit proving successful	Nov. 1	14	Transparent cellulose acetate butyrate pipe	Dec. 20	38	Price fixing—Canada to prosecute rubber companies, accused of price fixing	Nov. 22	40
Texas City Refining Co. sues California Oil Co. for breach of contract	Dec. 27	18	Pittsburgh Plate Glass acquires Murphy Paint, Ltd. and Hobbs Glass	July 5	16	Printer, plastic	Oct. 11	59
Tinicum Terminal to construct storage terminal for oil	Oct. 25	41	<b>Plasticizers:</b>			Printing method called "Aniline Process" should be called "Flexographic process"	Dec. 6	48
Tiona Petroleum is export sales representative for Carlisle Chemical's additives	Nov. 22	48	Carboxylic acid esters to be vinyl and	Sept. 27	55	Printing on polyethylene presents difficulties	July 26	39
Truman Administration putting the heat on the oil companies	Sept. 6	15	Monsanto establishes Perth Amboy, N. J. distributing station	July 5	50	Printing, numerical	Dec. 27	30
Wages high in petroleum stills	July 19	13	Pittsburgh Coke & Chemical to start new unit for plasticizers	Oct. 25	18	Pro-Bil Chemical, Inc. organized	Nov. 8	46
Pfizer & Co. Chgo. buys model students on their products for vacation selling	July 12	32	<b>Plastics:</b>			Processing Oils and Chemicals Assn. to change name to Textile Chemical Mfrs. Assn.	Dec. 13	57
Opens Atlanta office and warehouse	Sept. 13	46	American Plastics is bringing out a product designed for the householder	Aug. 2	46	Progesterone made available by Radioactive Products	Dec. 6	34
<b>Pharmaceuticals:</b>			Bakelite Co. puts out film called "Flight to the future"	July 5	49	Protons are part of impurity-detecting technique at Union Carbide's Oak Ridge Lab.	Nov. 22	40
Australia does not restrict imports of short supply drugs	July 19	19	Boosting the durability of automobile bodies with plastic undercoatings	Sept. 13	49	Protoprotein research	Oct. 4	34
Australia opposes investigating committee to study proprietary drugs	Aug. 9	24	Canned bandages	Dec. 13	52	Psychometrics to test consumer reactions to packages or new products	Dec. 20	61
Australia orders price reductions on medical supplies	July 26	20	Cooling tower fan blades encased in plastic	Nov. 8	61	Public relations—Scientists make good neighbors, too—Beacon Laboratories, Texas Co.	Aug. 9	21
Chester-Kent to make a medicament vehicle	Aug. 16	31	Development of improved plastic materials for bioanalytical balloons	Oct. 25	36	Publicker Industries purchases fermentation plant	Dec. 20	18
Indonesian pharmaceuticals	July 26	20	Dixon Lubricating Saddle Co. to make oilless Rulon plastics	Nov. 1	46	<b>Pulp:</b>		
Treat for feet	Sept. 13	51	Dow Chemical adds new heat-resistant Styron plastic	Aug. 30	40	American Viscose and Puget Sound Pulp & Timber receives loan for plant in Alaska	Aug. 23	15
<b>Pharmaceuticals see also Drugs</b>			Dow Chemical has a new rigid thermoplastic sheet	Oct. 4	42	Celgar Development receives license for its pulping operations	Nov. 15	18
Phelps Dodge buys interest in American Petroleum	Oct. 11	16	Durez, a phenolic plastic for electrical applications	July 5	41	Finland to expand its wood products industry	Dec. 6	13
<b>Phenol:</b>			East Germany's advances in plastics	Dec. 13	23	Japan to import pulp from Canada, Finland and Sweden	Dec. 27	10
Bakelite completes work on new production unit	Sept. 20	18	Expanded plastics (tables)	Dec. 20	52	Japanese pulp manufacturers eyeing Alaskan forests	Sept. 20	28
1950 production and projected production for 1955 and 1975	July 5	29	Fluoroplastic rods and slugs	Oct. 25	54	Projected mill to be built near Juneau	Sept. 27	16
Phillipine Republic—foreign chemical consultants regulated by government	Oct. 4	26	Future for plastics disclosed at the Chemical Market Research Assn.	Dec. 27	48	South Africa to have wood pulp and rayon works in Natal	Aug. 23	22
Phillips Chemical Co.—sales division building office	Dec. 6	48	Lighter cases for bone fractures	Aug. 16	31	Pulp see also Paper		
<b>Phosphates:</b>			Monsanto Chemical Co. gives a lecture on "How to be handy with plastics"	Dec. 6	48	<b>Pulpers:</b>		
Armour Fertilizer to mine phosphate rock near Bartow, Fla.	Dec. 6	14	Monsanto Chemical starts line of plastic on the Ohio River	Nov. 8	16	Air-operated pump	Nov. 8	61
Dicalcium phosphate to be produced at Trenton by Monsanto	July 5	16	Patching steel pipes with plastic	Oct. 4	43	Carboy pump	Oct. 25	54
Japan reduces imports of phosphate rock	Aug. 9	24	Patent case on plastic bottle blowing process	Oct. 4	45	Gasoline pump for fire fighting	Aug. 30	41
Jordan to export raw phosphates to Germany	July 5	20	Permanes in plastic yard goods	July 26	43	Metering pumps	Oct. 25	54
News on manufacture of feed-grade dicalcium phosphate	Oct. 4	37	Phenolic and urea resins increasing	Nov. 15	62	Packaged pumps	Aug. 16	38
Nitrogen, phosphate and potash growth meets a growing need	Dec. 20	54	Plaskon Div. runs into difficulties over colored bottles for medicines	Sept. 13	42	Proportioning pump	Aug. 2	51
Phosphorus report, Joseph Gordon	Aug. 2	26	Predicted requirements for 1955, 1960, 1975	July 5	34	Safety pump	Sept. 27	60
Texas City Chemicals to commercialize a feedgrade phosphate using wet-process acid	Oct. 4	37	Silicone based mold release compound for plastics	Sept. 20	61	Screw pump	Aug. 9	55
Turco Products, Inc. has new line of phosphating materials	Nov. 8	46	Texas Eastman may produce polyethylene plastics	July 12	11	Seal-less pump	Aug. 16	37
<b>Phosphoric Acid:</b>			West Germany has plastic show	Oct. 18	26	Purex Corp. occupies new plant	July 12	44
Phosphorus report, Joseph Gordon	Aug. 2	26	Ply On Coatings, Inc. formed	Aug. 23	44	<b>Pyridines:</b>		
Virginia-Carolina to soon start its wet process phosphoric plant	Aug. 23	14	<b>Polymeretics:</b>			Phillips Chemical producing methyl-vinyl pyridine near Houston	Nov. 15	17
Phosphors for television tubes vault to a new high	Dec. 27	36	Lederle develops the first effective antipoli vaccine	Nov. 1	33	Production, prices, the future	Sept. 20	65
<b>Phosphorus:</b>			Studied in the University of Wisconsin	Sept. 13	36	Reaction between acetylene and nitriles yields pyridines and pyrimidines	Sept. 3	34
Knapack-Griesheim A. G. Knapack bei Kohn company formed from I. G. Farben pieces to make phosphorus	Nov. 1	16	<b>Polishes:</b>			Pyrimidines from reaction between acetylene and nitriles	Sept. 13	34
Monsanto to complete furnace at Idaho	July 5	16	Anti-static polish	Nov. 1	45	<b>Q</b>		
Norway building elemental phosphorus furnace	Oct. 4	24	Car Groom made with no silicones, mineral waxes, or resins	Sept. 20	57	Quantometer analyzes elements in alloys and other inorganic materials	Nov. 22	16
Phosphorus paint applied to side of railway cars	Oct. 11	59	Shoe polish with silicones makes water-repellent finish	Nov. 29	73	Quaternary ammonium compounds in liquid media estimated	Sept. 13	36
Phosphorus report, Joseph Gordon	Aug. 2	26	Polonium in Static-Master brushes is dangerous	Nov. 15	24	<b>R</b>		
Two cooperatives want to invest in Idaho plant	July 5	16	Polyalkylene sulfide polymers yield products by research	July 5	41	<b>Racemies</b> is an organization of salesmen and purchasing agents	Nov. 15	51
Phosphorylated hesperidin used for anti-fertility experiments	Oct. 25	29	Polyester film plant to be constructed by Du Pont	Nov. 29	20	<b>Radioactivity:</b>		
Photoelectric counter	Dec. 13	46	<b>Polyethylene:</b>			Cobalt-60 found superior for sterilizing drugs	Aug. 9	36
			Bottle made which can be sprayed in inverted position	Nov. 29	73	Glow of radioactive cobalt determines effect of radiation on materials—Knolls Atomic Power Lab.	Nov. 15	36
			Carbide & Carbon to build plant on West Coast	Aug. 9	15	Mosquitoes traced by radioactive phosphorus	Sept. 6	53
			Difficulties of printing on polyethylene	July 26	39	Radiation's effects on crops determined at Calif. Inst. of Technology	Oct. 25	30
			German firm to produce	Oct. 18	22			
			Hair powder in spray bottles	Sept. 6	67			
			Hair tinting compound in polyethylene bottle	Aug. 16	31			
			Methylene mailing container of polyethylene	Dec. 6	57			
			Molded sheets	Dec. 20	68			



Radiochemical research helped by movable lab unit for operations involving isotopes	Sept. 20	72	Pakistan and Ceylon research potential investigated for United Nations	Nov. 15	42	Synthetic rubber plant of Goodyear Tire & Rubber to expand	Nov. 29	20
Scintillation counter to test adhesion of asphalt to road stone	Oct. 4	34	Proctor & Gamble discusses new laboratories at Miami Valley, Ohio	Oct. 4	29	Synthetic rubber to be studied by Reconstruction Finance Corp.	Aug. 16	50
Striking while it's hot	Nov. 22	38	Research Corp. organized for altruism	Nov. 22	37	U. S. rubber consumption 1948-1952	Oct. 18	67
Tracerlab keeps employees happy through "Auxiliary Board of Management"	Sept. 27	18	Review of the research personnel's needs	Sept. 6	54	U. S. Rubber produces cold rubber at Port Neches	Dec. 6	14
Tracerlab preparing radioactive benzene, toluene and benzoic acid	Dec. 13	36	Should you invest in foreign research?	Nov. 8	35	Vinyl pyridine latex output increased at General Tire & Rubber	Oct. 11	60
Radioactivity see also isotopes			Southern Kraft Div. new research laboratory, Mobile, Ala.	Nov. 15	40	Vulcollan, Bayer's new synthetic rubber	Nov. 8	40
<b>Railroads:</b>			Spotlight on directors' reports	Nov. 15	34	Western Germany receives synthetic rubber bonus	July 12	36
Large ships worry railroads	Dec. 20	68	Tennessee Eastman constructs technical-service laboratory in Kingsport, Tenn.	Oct. 18	56	Russia's five-year chemical plan compared to U. S.'s four year plan (charts)	Oct. 25	20
Change from steam to diesel locomotives brings changes in chemical needs	Aug. 23	41	U. S. Dept. of Agriculture to construct hoof and mouth disease laboratory	Oct. 4	34	Rust preventive for boilers	Sept. 27	84
Railroad industrial agents give information, round up revenue	Sept. 6	49	U. S. Tariff Commission gives data on research	Oct. 18	38			
Railroads should not oppose better highways and more liberal trucking regulations	Oct. 11	49	Warner Chilcott Laboratories combines research distribution and sales	Dec. 20	65			
Rate earths—Lindsay Chemical to expand production	Aug. 16	14						
<b>Rayon:</b>			<b>Resin:</b>			<b>Safety:</b>		
American Enka to expand facilities at Lowland, N. C.	Dec. 27	12	Alkyl resin for non-penetrating wall finishes	July 26	43	Chemical industry's accident record	Sept. 13	13
Argentina will be self-sufficient in rayons when new factory starts	Nov. 22	32	Alkyl resins for paints	Aug. 24	44	General Electric installing centralized safety stations in chemical plant	July 19	30
Austrian viscose plant producing at half price	Nov. 22	34	Amberlite ion-exchange resins	Oct. 11	34	Goodyear Synthetic Rubber fights new safety regulations at Akron plant	Sept. 20	18
Celanese Co. in Venezuela begins production	Dec. 13	18	American Cyanamid chooses art-exhibit theme for Coated Resins Dept.	Nov. 29	60	Keeshin Motor Express Co. fined for failing to place warning signs on trucks	Dec. 27	18
Celanese joins with Colombian Coltejer interests to form company	Sept. 13	20	American Cyanamid puts out two new alkyl resins	Sept. 13	34	Picture symbols for containers of hazardous chemicals, training for chemical employees before lat. Labor Conference	Nov. 15	17
Predicted requirements for rayon in 1953, 1960, 1975	July 5	33	Castings produced by mold of sand held together by thin resin shell	Aug. 24	56	Safety device to protect operators from moving machinery	Sept. 13	61
Rayonier, Inc. embarks on promotion program	Nov. 15	44	Celcote for floors	Dec. 6	52	Safety slogans put on paper cups	Nov. 22	73
Reactometer	July 5	67	Coating for metal finishing	Aug. 24	44	Sage Laboratories designs chemical line for supermarkets	Nov. 8	46
Reading rate accelerated	Aug. 23	19	Ellis-Foster Co. sues Philadelphia companies as joint intriguers of patent on synthetic resins	Sept. 27	22	Sales agencies of recent date	Nov. 15	46
<b>Reagents:</b>			Epoxy resins usually in combination with phenolics show promise for can linings	Nov. 1	43	Sales and the buyers' market discussed by American Marketing Assn.	July 12	37
Czech chemists discover new reagent for iron	July 5	42	General Electric processes polyester resins at Anaheim, Cal.	July 19	16	Sales—do you stack up as a growth company?	Dec. 20	24
4,7-diphenyl-1,10-phenanthroline as a reagent for iron	Nov. 1	32	Ion-exchange resins production to be expanded by Permutit Co.	Dec. 13	16	Salesmen's Assn. of the American Chemical Industry holds first Chemical Sales Clinic	Nov. 8	50
Reagents for fibers	Dec. 20	61	Liquid urea-formaldehyde resins stored in bulk by Horden's Chemical Div.	Oct. 18	55	Salesmen and purchasing agents form organization known as "The Raccemics"	Nov. 15	51
<b>Research:</b>			Phenolic resin coatings for corrosion control	July 26	43	Salt—Canadian salt deposits (map)	Sept. 20	23
American Potash & Chemical Corp. constructing laboratory	July 12	50	Phenolic resins for grinding wheel manufacture	July 26	43	Saran now competing for the consumer dollar	Sept. 27	16
Antibiotics up-to-date (table)	Aug. 16	47	Phenolic and urea resins increasing	Nov. 15	62	Produced in Japan	Nov. 15	30
Barrett Div. of Allied Chemical & Dye opens new Federal lab	July 26	33	Reichhold Chemicals puts out resin vehicle for making rubber-type wall finishes	Nov. 29	75	Saw to cut bricks	Dec. 27	32
Barrett Div., Allied Chemical & Dye Corp. to shift inorganic research to new site	Nov. 1	33	Resin for improving wet strength of paper products	Aug. 16	31	Scientific Apparatus makers Assn. surveys its industry's sales costs	Nov. 15	46
British Columbia Research Council organized	Nov. 29	50	Stabilizer for vinyl resins put out by Baker Castor Oil Co.	Sept. 13	34	Sea sickness treated with combination of benzyl and lysine	Dec. 13	57
Bureau of Internal Revenue rules that industrial research of universities and institutes will be taxed	Sept. 27	52	Synthetic resins which permit fast drying of adhesive for pocket books	Dec. 13	54	Seed disinfectant	July 12	42
Business volumes of the Independent Research Institute (chart)	Aug. 9	32	Tellon tetrafluoropolymer resin	Sept. 13	63	Selenium, colloidal	Aug. 16	51
Canadian Industries Ltd. opens paint research laboratory	Nov. 8	38	Two new alkyl resins for adhesion paint formulation	July 26	44	Republic Chemical Ltd., Japan, begins operation	Aug. 23	22
Canadian Industries to expand at McMaistry, Quebec	Nov. 15	42	Styrene resins	July 26	44	Shaving cream—Whiskoff	Sept. 20	61
Carnation Co. to have research center at Van Nuys, Calif.	Aug. 16	51	U. S. Rubber's Naugatuck Div. to expand polyester resin	Aug. 23	14	Shaving lathers, aerosol dispensed, slated for a big boost	July 5	53
Carver's colleagues in chemistry	Sept. 13	14	U. S. Rubber's Naugatuck Chemical Div. to increase production of vinyl resin	Nov. 8	16	Shawinigan Chemicals may build factory in England to produce calcium carbide	Sept. 27	14
Defense Dept. changes the rules on business research	Dec. 20	38	Robbins, A. H. to occupy Richmond, Va. plant	Dec. 6	44	Shell Chemical Corp. chooses Denver as headquarters	Aug. 16	44
Du Pont to prepare for Wilmington research laboratory	Nov. 22	44	<b>Rodenticides:</b>			Shell molding, a new foundry method for casting	Oct. 23	56
Du Pont constructing research building for explosives	July 26	33	4-Aminoterol glutamic acid for rats	Dec. 20	38	Shellac price curve flattens	Oct. 11	69
Du Pont to build textile fiber laboratory	Sept. 20	75	Murd Co. ordered to halt advertising its warfarin-containing rodenticide	Sept. 27	84	Shipping index for tramp ships	July 19	54
East Germany's chemical research drive	Aug. 23	38	Pival a new anticoagulant rat killer	Oct. 4	45	Ships that are self-unloading	Nov. 29	58
Ethyl Corp. realigns its research-service organization in Detroit	Nov. 29	63	Rat killer contains curatone	Aug. 23	44	Silicate chemistry at University of Toledo	July 12	47
Europe has very few consulting laboratories says Los Angeles consultant	Nov. 29	50	Rohm & Haas to establish French company	July 26	20	Silicofluorides, organic, available by Davison Chemical Corp.	Sept. 20	75
Evans Research & Development Corp. adds lab for organometallic testing services	Nov. 15	42	<b>Rubber:</b>			Dow Corning discloses net sales have swelled	Dec. 6	13
How research is changing the hypertension drug picture	Dec. 27	22	Brazil planning synthetic rubber plant	Oct. 18	22	Dow Corning's Silicone Exposition	Oct. 11	49
Hunter Associates Laboratory devoted to appearance of materials	Nov. 22	44	Buna rubber production at Huels plant, West Germany, to be changed	Nov. 15	30	Great Britain to produce silicone rubber	Aug. 30	16
International Minerals and Chemical Corp.'s new lab at Skokie, Ill.	July 12	50	English working out natural based rubber for shoe soles	Nov. 1	45	Johannesburg manufacturer puts silicones into automobile polishes	Nov. 22	34
Jefferson Chemical adding to Austin laboratory	Oct. 4	34	Preston Tire & Rubber makes cold rubber without cold but with Nitrazole CF	Aug. 2	61	Lubricants, silicone-based	Aug. 30	34
Walter Kiddle Nuclear Laboratories advisory committee	Nov. 29	18-50	Fluoro rubber produced by Minnesota Mining & Mfg.	Oct. 11	31	New resin for electric insulation	July 26	43
Walter Kiddle Nuclear Laboratories' new Garden City facilities ready for services	Oct. 25	34	Foam rubber inkling cold	Aug. 23	42	Organosilicon compounds prepared by Oxo synthesis obtains silicone	Sept. 27	55
Lederle Laboratories' new mycology building at Pearl River	July 19	36	General Tire & Rubber Co. has big tire in crude rubber plant	Oct. 25	16	Silicon-oxyhydride	Sept. 13	39
Lever Bros. moves into new research center at Edgewater, N. J.	Nov. 15	39	Goodrich-Gulf Chemicals, Inc., to build butyl rubber plant	Nov. 22	16	Silicone based mold release compound for plastics	Sept. 20	61
Arthur D. Little, Inc. establishes an international research division	Nov. 22	42	Jute bag lined with synthetic rubber	Aug. 23	63	Silicone insulation	Dec. 27	32
MSA supports antibiotics research by Norwegian girl	Aug. 2	63	Kentucky Synthetic Rubber Corp. converted to cold rubber	Sept. 6	16	Silicone rubber in the raw	Aug. 9	29
Market research booklet	Aug. 16	44	Natural rubber rebound (chart)	Dec. 6	57	Water repellent for clothing	Sept. 13	51
Midwest Research Institute claims research is climbing	July 19	39	Buffalo street	Aug. 30	40	Wurack Chemical Co. files suit against Dow Chemical Co. on use of silicones in masonry water repellent	July 12	5
National Bureau of Standards adds low temperature laboratory	Nov. 8	38	Restriction of strategic trade with the Soviet	Oct. 25	41	Singmaster of California formed by three companies	Dec. 20	48
National Gypsum plans a research center in the U. S.	July 26	36	Silicone rubber in the raw	Aug. 9	29	Sisal juice contains hecogenin	Aug. 9	36
Navy's Radiological Defense Laboratory is windowless	Dec. 13	36	Synthetic rubber compound	July 12	42	Skids, magnesium barrel	Dec. 6	52
Organic Chemicals Div. of Monsanto Chemical, establishes lab.	Aug. 30	34	Synthetic rubber for tires developed by U. S. Rubber	Nov. 15	42	Sleeping pill which wakes the sleeper in eight hours	Dec. 27	42
			Synthetic rubber plant for Brazil	Dec. 6	13	Sleeping sickness may be helped by Achromycin	Sept. 27	55
						Smith-Douglas to acquire Coronet Phosphate	Sept. 27	14

**Smoke Pollution:**

Houston, Tex. source of trouble about industrial fumes (map of companies).....	Oct. 4	19
Louisville, Ky. to survey plants for smoke control.....	Oct. 4	16
Political issue in city halls.....	Nov. 15	21
Smoke patrol in Philadelphia.....	Oct. 18	24
Smoke pollution see also Air pollution		
Snia Viscosa to withdraw from European cartel of synthetic fiber makers.....	Dec. 20	28
Snyder Chemical Corp. and American Research & Development to be reorganized.....	Sept. 20	24

**Soap:**

Armour & Co. fined for price fixing agreements.....	Dec. 27	18
Cowles Chemical Co. puts new process soap on the market.....	Oct. 25	67
Magnetized soap.....	Sept. 20	59
National Renderers Assn. discusses decline in soap production, rise in detergents.....	Dec. 13	62
New soap for use with side-loading washers.....	Dec. 20	58
Production of synthetics, soaps, and tripoly. Joseph E. Seagram.....	Aug. 2	34
Synthetic detergent soap bar.....	Aug. 9	39
Soda ash—Wyandotte Chemical strike causes shortages which producers are trying to overcome.....	Oct. 18	66

**Sodium:**

Metallic sodium to be sold by U. S. Industrial Chemicals Div. of National Distillers.....	Nov. 8	52
Sodium marbles with a thin casing offered by Humphrey-Wilkinson.....	Aug. 2	50
Sodium chlorate production to increase.....	Dec. 6	57
Sodium pentaborate from Seares Lake brine.....	July 19	56
Sodium perborate—American Metallurgical Chemicals constructing plant.....	Sept. 20	18
Sodium polyacrylates production expanded at B. F. Goodrich Chemical.....	Nov. 22	16

**Soil Conditioners:**

Acrylamide judged as too similar to Kriklum—Monsanto wins case.....	Nov. 1	13
American Cyanamid crop-row treatment to lessen expense.....	Aug. 9	41
Backwash of unfavorable reaction. Connecticut's agriculture experiment station to test new conditioners.....	July 5	56
Du Pont to make conditioner under patents issued to Monsanto Chemical Co.....	Oct. 11	61
FTC lodges complaint against Flu-fume; reply made.....	Sept. 20	60
Kriklum hurried into production in England.....	July 5	19
Kriklum vs. acrylamide.....	Oct. 4	15
Lava plant foods.....	Sept. 13	51
Manufacturers preparing for their first full season.....	Dec. 13	50
Monsanto Chemical Co. to help clarify the confusion in the industry and sell the raw materials too.....	Sept. 20	53
National Soil Container Conference to help the manufacturers.....	Nov. 29	70
Product to hold grass seed in place.....	Aug. 23	42
Soil Conditioner Corp. enters field.....	Aug. 2	53
Trade practices conference needed.....	Nov. 15	68
Vermiculite as a soil conditioner.....	Oct. 4	48
Will you let them get away with it? W. A. Jordan.....	Nov. 8	2
Soil pollution suit in Texas.....	Dec. 27	18
Solder, aluminum based.....	July 5	56
Solder for metals like steel and aluminum.....	Sept. 13	51

**Solvents:**

Degreasing solvents.....	Nov. 1	45
Sinclair Refining's Houston plant shipping odorless solvents for paints.....	Aug. 30	26
Tennessee Eastman putting out two new solvents.....	Nov. 1	31
Sorbitols—Market for glycerine and sorbitols.....	July 26	51
Spanule pellets release medication uniformly.....	Oct. 18	52
Spectra compared through Keysort File.....	Dec. 13	46
Spectrophotometer, electronic.....	Dec. 27	34
Spice research program.....	July 26	36
Squibb, E. R.—merger with Matheson Chemical approved.....	Oct. 11	16
Stabilizer for vinyl resins put out by Baker Castor Oil Co.....	Sept. 13	34
Standard Oil Co. (Calif.) buys land for refinery.....	Aug. 2	15

**Standardization:**

American Standards Assn. to attempt to promulgate standards for chemical industry.....	Aug. 30	26
Standards in the chemical industry.....	Sept. 27	58
Static electricity in synthetic fibers brings market for chemicals.....	Nov. 15	65
Static electricity to be studied.....	July 26	43
Statistics which can be obtained through the Federal Government agencies.....	Dec. 13	69
Steam hose cleaner.....	Dec. 13	46
Steam trap, piston-operated.....	July 5	57
Stearic acid—National Dairy Products buys Texas companies.....	July 5	16

**Steel:**

Fatless Works at Morrisville, Pa.		
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to bring its ore from Latin America to the dock.....	Nov. 29	59
Strike entering eighth week.....	July 26	13
Still, molecular.....	Nov. 8	60
Stones, porous, manufactured by Germany to be shown in Chemical Exposition.....	Aug. 23	47
Streptomycin discovery wins Nobel Prize for medicine.....	Nov. 8	38
Strong Cobb & Co. in California plant.....	Dec. 13	57
Strophanthus plants a source of steroids for cortisone.....	Oct. 25	30

**Styrene:**

Foster Grant Co.'s new plant at Orange, Tex.....	Nov. 29	20
1950 production and projected production for 1955 and 1975.....	July 5	30
Submarine, atomic, model.....	July 26	31
Sugar Research Foundation.....	July 19	35
Sulfadiazole introduced by Ciba Laboratories.....	Nov. 29	50
Sulfanilamides—British have patent which improves treatment of open wounds.....	Dec. 20	38
Sulfathiazole—Peru bans importation and manufacture.....	Oct. 18	22
Sulfite liquors—Synthetic vanillin from waste sulfite liquors.....	Dec. 20	16

**Sulfonates:**

Ninol Laboratories to turn out hydrocarbon sulfonates.....	Sept. 20	38
Oil free and surface-active.....	Aug. 23	48
Sulfur.....		
Abitibi Power & Paper Co. to open sulfur from pyrites plant.....	Aug. 2	15
Anglo-Iranian Oil's Autofining process removes sulfur in sour middle distillates.....	Nov. 8	60
Antibacterial agents discovered at Sterling-Winthrop Research Institute.....	Dec. 13	36
Australia to study its own sulfur.....	Dec. 20	26
Baker, J. T. Chemical Co. to recover sulfur from waste gases.....	Oct. 4	40
Bolivian money problems.....	Oct. 18	21
Brazil has sulfur for export.....	Aug. 30	16
Freeport Sulfur mining deposit of sulfur in Louisiana marsh.....	Oct. 18	68
Freeport Sulfur surveying sulphite ores in Carroll County, Va.....	Sept. 13	16
Great Sulfur Corp., Mexico, to reserve supply increased.....	Dec. 20	28
Gulf Oil Corp. recovering sulfur from hydrogen sulfide extracted from refinery.....	Dec. 20	16
Gulf Sulfur finds deposits on its Mexican properties.....	Sept. 27	16
Gulf Sulfur of Delaware finds sulfur near San Cristobal.....	Aug. 23	21
NPA files against Planters Fertilizer & Phosphate Co. for unlawful use of sulfur.....	Oct. 18	26
N. V. tugboat firm sued for charging above OPS price for salvaged sulfur.....	Sept. 27	22
Pan American Sulfur Co. to extract sulfur in Vera Cruz, Mexico.....	Nov. 8	16
Phillips Chemical operating Texas plant to extract sulfur from natural gas.....	Sept. 6	16
Shell Chemical puts recovery unit on line in Houston plant.....	Oct. 25	18
Sinclair Refining Co. completes extraction unit at Marcus Hook refinery.....	Dec. 13	16
Spain increases pyrites production.....	Sept. 20	23
Standard Oil of Indiana producing sulfur from waste sulfide gas.....	Aug. 30	12
Stanolind Oil & Gas to extract sulfur from hydrogen sulfide.....	Oct. 11	16
Sulphur Converting Corp. to construct sulfur from pyrites plant at Roberval, Que.....	Aug. 30	12
Supplies of sulfur and sulfuric acid have increased (tables).....	Sept. 27	77
Tank barges for transporting liquid sulfur.....	Aug. 23	65
Vanadium oxide helps upgrade gasoline stocks by removing undesirable sulfur.....	Sept. 27	56
Sulfur dioxide, liquid in Canada.....	Nov. 15	46

**Sulfuric Acid:**

Consolidated Chemical Industries plans for production at Baytown and Baton Rouge.....	Aug. 16	14
Cresco Fertilizers, Ltd. being built in Australia.....	Nov. 22	34
Eagle-Picher will build plant near Galena, Kan.....	Oct. 4	16
Filtrol Corp. and Shell Chemical exchange products.....	Sept. 20	42
Midwest Research Institute study on costs of making sulfuric acid from various sulfur sources.....	Sept. 6	42
Tasmanian company to build plant.....	Oct. 4	24
Yugoslavia constructing electrolytic zinc plant to produce sulfuric acid as a by-product.....	Dec. 6	13
Sun Chemical Corp. establishes new division the General Printing Co.....	Dec. 13	16
Sunburn lotions.....	July 12	42
Sun screening agents discovered in France.....	July 5	41
Sun tan cream not freckle proof.....	Oct. 4	15

**Superphosphates:**

Devcon Chemical to produce superphosphate.....	July 26	19
Phillips Chemical to construct plant.....	Aug. 16	14
Phosphorus report, Joseph Gordon.....	Aug. 2	26

Stauffer Chemical, American Smelting & Refining, & Kennecott to erect triple superphosphate plant.....	July 26	20
Western Phosphate begins plant near Garfield, Utah.....	Nov. 1	14
Survey—Aerial inventory by TVA.....	Oct. 25	51
Switch, small toggle.....	Aug. 16	38
Switzerland broadens chemical sales to Mexico.....	Nov. 29	28
Sylvania Div. of American Viscose expands research work.....	Aug. 30	34

**T****Tanks:**

Chlorine tank cars ordered by Allied Chemical & Dye's Solvay Div.....	Oct. 11	49
Freight rates on tank cars reduced.....	July 5	45
Merchant tanker fleet now the world's largest and finest.....	Aug. 30	26
Tank barges for transporting liquid sulfur.....	Aug. 23	65
Tanker carries butane between Texas and South America.....	Sept. 13	48
Tapes, pressure-sensitive, for drafts-men.....	Aug. 23	47
Tariffs.....		
Bureau of Customs Laboratory helps to decide the customs wall.....	Dec. 27	52
Canadian rates rising. U. S. chemical processing companies building branches in Canada.....	Nov. 8	19
Peru tax.....	Sept. 13	51
Scientific Apparatus Makers Assn. pleading for tariff.....	Sept. 13	27

**Taxation:**

German chemicals not exempt from "basic" industries tax.....	Sept. 20	24
How the fertilizer plants are taxed.....	Nov. 29	23
Sales tax exemption for West Virginia farmers and exporters.....	July 26	20
Salt tax lifted in Georgia.....	Sept. 27	24
Texas natural gas tax.....	Aug. 16	22
Texas unemployment insurance taxes may rise.....	Aug. 16	14
Technic Industries welcomed in Elkins, N. C.....	Sept. 6	67
Television-Phosphors for picture tubes vault to a \$3 million a year enterprise.....	Dec. 27	36
Terramycin—Charles Pfizer & Co.'s chemical structure of terramycin.....	Aug. 9	35
Terylene—British bring out new fiber Terylene, in U. S. marketed under the name Dacron.....	Nov. 1	12
Tesco Chemicals formed.....	Nov. 29	73
Texas sues for land disposal in Duval County.....	Dec. 30	18
Texide Chemical Corp. incorporates.....	Oct. 25	67

**Textiles:**

Acrylic acrylic fiber goods to go on sale.....	Sept. 6	16
British bring out new fiber Terylene, in U. S. marketed under the name Dacron.....	Nov. 1	12
Dacron fiber explained by advertisements.....	Nov. 1	16
Dwelling-luck carpet for airfields.....	Sept. 27	84
DPA's turndowns on rayon and acetate plant applications.....	Aug. 9	15
DPA will give rapid writeoffs only for nylon.....	July 12	11
Du Pont to build textile fiber laboratory.....	Sept. 20	75
Du Pont working on polyamides.....	July 12	50
First Chemical Cotton Finishers Conference.....	Oct. 18	55
"Itch" from certain chemicals in dress causes suit.....	Oct. 18	28
Mills joining together for textile research.....	Oct. 25	32
Miracle fiber's advertising to be investigated by FTC.....	Sept. 27	13
New synthetic fibers to appear in Italy.....	July 5	20
Kedon fiber similar to Orlon fiber marketed in Germany.....	Aug. 23	21
Static electricity in synthetic fibers brings market for chemicals.....	Nov. 15	65
Synthetic fibers predicted requirements for 1950, 1953, 1960, 1975.....	July 5	34-53
Wool Bureau's promotional program has a strong anti-synthetic fiber bias.....	Aug. 24	13
Thermocouple assembly.....	Oct. 4	43
Thermocouples may take the place of clinical thermometer in blood donor stations.....	Dec. 20	38

**Tin:**

Bolivian government seizes tin mines.....	Nov. 1	18
U. S. Tin Corp. to erect smelter.....	Aug. 23	14
Titanium-Isaiah m.h.h. Germany now a wholly owned by National Lead.....	July 19	19

**Titanium:**

Activity in the industry.....	Aug. 9	55
DPA sets titanium production goal for another notch.....	Oct. 18	28
Du Pont surveys market for titanium at MCA meeting.....	Dec. 6	50
Du Pont to expand at Edgemoor and Krebs works.....	Nov. 1	14
England's Fulmer Research Institute prepares titanium by indirect distillation.....	Nov. 1	30

Imperial Chemical Industries will erect pilot plants in Britain	Nov. 29	28
Quebec Iron & Titanium begins operating second electric furnace at Sorel, Que.	Sept. 27	16
Quebec Iron & Titanium producing iron and titanium slag from ilmenite deposits	Oct. 11	10
Titanium Metals of America to expand production	Oct. 25	18
Titanium dioxide to be made in Japan by Glidden Corp.	Nov. 8	28
Toledo Porcelain Enamel Products acquired Bettlinger Corp.	Aug. 23	15
p-Toluenesulfonic acid produced by Smith-New York Co.	Dec. 20	38
Toxaphene to treat army worms	Aug. 2	53
Trademark—Ansul Chemical changes the design	Oct. 25	47
Trailer, hopper-type, carries catalyst	Sept. 13	18
<b>Training:</b>		
Franklin & Marshall and University of Pennsylvania arrange for two-day schooling	July 26	15
Hooker Electrochemical Co. gives course for training executives	Sept. 6	14
Lecture series given by Charleston Section of A. I. C. E.	July 26	14
Medical students briefed on Pfizer & Co.'s products for vacation selling	July 12	32
Transformer, non-ventilated dry-type	Nov. 8	61
Transportation Assn. of America reports on survey of regulations	July 26	56
Transportometer	Nov. 22	73
Trichloroethylene for rinsing army mess kits	July 19	47
<b>Trioxane:</b>		
Celanese Corp. produced at Bishop, Tex.	Aug. 2	49
Quartermaster Corps acceptance of trioxane fuel tablets points to more competition	Aug. 16	24
Solid fuel used for heating field rations	July 26	61
<b>Trucks:</b>		
Industrial truck rodeo held at Monsanto Rubber Service Div.	Nov. 22	75
Truck transport between Buffalo, N. Y. and Detroit, Mich. now allowed by Canada	Aug. 2	47
Truckers want to put surcharge on small shipments	Aug. 16	40
Truck trailers—West Coast sugar on the move	Sept. 20	48
<b>Tuberculosis:</b>		
Isoniazid for injections to treat tuberculosis	Nov. 8	46
North Texas State College developing new anti-tuberculous drugs	Dec. 13	46
Polish anti-TB experiments	Nov. 22	42
Tubing, seamless, in bigger sizes	Dec. 6	52
Tubing, seamless molybdenum, price slash	July 5	67
Tungsten carbide coatings: Flame-Plated	Dec. 20	48
Turntable, roller	Aug. 2	51
<b>U</b>		
Unilever Co. in Holland is expanding	July 5	22
Union Carbide & Carbon—F. H. Hagerson former president dies	Oct. 25	17
Receives approval of Westchester office	July 19	16
Union Oil of California forms subsidiary called Brea Chemicals	Nov. 8	26
"United States" is the supersale liner	July 5	55
U. S. Bureau of Customs Laboratory helps to decide the tariffs	Dec. 27	52
U. S. Dept. of Agriculture inspects plants and flowers entering the U. S.	Oct. 18	46
U. S. Dept. of Commerce says the nation's problem is to sell goods now produced	Sept. 27	70
U. S. Navy—booklet "Selling to Navy prime contractors"	July 26	61
Put excess material into storage	Sept. 27	87
Unloader for boxcars	Aug. 16	38
Unsaturated angelicalactones available	Sept. 20	75
<b>Uranium:</b>		
Australia to develop deposits in Northern Territory	Oct. 4	24
Canada discovers pitchblende in Slave Lake area	Sept. 13	16
Canada's first uranium rush	Aug. 16	38
Randfontein Estates Gold Mining Co. financed to build sulfuric acid and by-product uranium plant	Dec. 20	26

U. S. Public Health survey shows that uranium miners are in good health	July 19	14
U. S. Vanadium doubles its capacity	Oct. 11	16
Vanadium Corp. plans mill in Hite, Utah	Dec. 27	12
Vitro Chemical, Salt Lake City, plans to double uranium reduction facilities	Aug. 2	15
West Germany has a source of uranium in the Black Forest	July 5	20
Urea—Five ways to make urea... but none is cheap or easy	Dec. 13	40
Utility rate rise by Niagara Mohawk Power opposed by six chemical firms	Sept. 27	22

## V

Vacations—staggered or shutdown?	July 5	13
Vacuum sealers	Dec. 20	48
<b>Valves:</b>		
Flow control valve	Dec. 20	48
Non-clogging aerosol paint valve	July 26	43
Plug valve of stainless steel	Aug. 2	51
Reusable aerosol valves	Oct. 11	58
Vanillin—shortage to be ended by more synthetic vanillin from lignin	Sept. 13	55
Synthetic vanillin from waste sulfate liquors	Dec. 20	16
Vaporizer, table model	Dec. 27	32
Vermiculite used as insulation to keep molten metal at right temperature	Dec. 20	58
Used in bread making	Nov. 8	46
Vick Chemical and Colgate-Palmolive—Peet accused of violating Clayton Act	Aug. 30	10
Vinyl chloride—Products sold by Monsanto Chemical now carry two trade names	Aug. 2	47
Vinyl film gage measurement	Dec. 13	76
Vinyl in floor covering	Oct. 25	61
Vismeters	July 5	67
<b>Vitamins:</b>		
B-Vimm Co. fighting FTC's charges of misleading advertising	Dec. 27	18
Concentrate from fish solubles promotes poultry growth	Aug. 30	40
Method of determining concentration of vitamin B-12 in fermentation broths	Oct. 11	34
National Health Aids agrees to follow FTC standards for advertising	Dec. 27	18
Thiamine and devised by Hoffman-La Roche	July 19	41
Volcanic ash as fertilizer	Oct. 4	20

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Waksman, Selman A. discusses antibiotics	Dec. 6	28
Warehouse for chemical opened in Montreal by Nichols Chemical Co.	Oct. 11	19
Warner-Chilcott Laboratories combines research distribution and sales	Dec. 20	65
Warner-Hudnut constructing plant at Morris Plains, N. J.	Aug. 30	44
Washington's plans for the future	Nov. 15	15
<b>Waste Disposal:</b>		
Fairless Works, Morrisville, Pa. to treat steel wastes with built-in system	Nov. 1	36
Filtrol Corp. sued by Game Commission for dumping waste in river	Oct. 18	26
Lederle Laboratories pays for cross-county sewage line serving county as well as plant	Oct. 25	16
Mathieson Chemical Corp. accused of killing fish by industrial wastes at McIntosh plant	Oct. 4	15
Ohio River Valley Water Sanitation Commission working on sewage disposal problems	Oct. 25	18
Radioactive wastes safely disposed in ocean mud	Dec. 6	36
Wood waste transformed into Silvaced wood fibers	Dec. 20	40
Water pollution—Buffalo River pollution to be reduced by fresh water from Lake Erie	Oct. 11	16
Waterproofing—New waterproofing and rustproofing compound	July 26	43
Waterproofing paints, etc. to be made by Watcote Co.	Nov. 1	46
<b>Water Repellents:</b>		
Aerosol water repellents	Dec. 6	40
Silicone-in-solvent	Sept. 13	51

<b>Water Supply:</b>		
Corpus Christi to have more water	Dec. 27	9
Mahoning River, Ohio, is full of waste matter	Aug. 2	20
N. Y. City water supply tested to determine radioactive content	Oct. 25	32
Pacific Northwest and Texas have shortages	Nov. 8	26
Water systems produced by Myers, F. E. & Brother	Dec. 6	52
<b>Water Treatment:</b>		
Glohaline to purify water in Korea	July 26	54
Ion exchange resins used to purify water	July 26	41
Mixed-bed demineralizer	Nov. 8	60
Put O-San water aid	July 12	44
Salt water purification studies to be made by the government	Sept. 13	31
<b>Wax:</b>		
Fast drying buffing wax for floors	Sept. 20	61
German-made wax pushed in U. S.	Nov. 8	46
Leather breeches wear longer with wax treatments	Nov. 29	72
Non-ionic emulsifying wax for cosmetics	Aug. 16	30
The \$100 million market for waxes	Sept. 27	29
Savre & Marsel (tables)	Nov. 22	54
Petroleum-derived white ceresine type wax	Nov. 22	54
Polyethylene wax put out by Semet-solvay	Dec. 20	61
Two new synthetic waxes	Nov. 29	75
Helen Wassell has developed some of the widely used rubber floor wax formulations	Dec. 27	40
Wax emulsion to give smoothness to fabrics	Sept. 20	61
Weighing on a conveyor line	Nov. 15	55
West Disinfecting Co. studies the technique of distribution of many products	Oct. 25	43
Takes controlling interest in Lazarus Laboratories	Dec. 6	44
Western Phosphate, Inc. is the name chosen by Stauffer Chemical & Garfield Chemical & Mig. for their joint subsidiary	Oct. 25	18
Western Sealant changes name to N. B. Newcomb Co.	Sept. 13	51
Western Uranium & Cobalt Mines changes name to Western Tungsten Copper mines	Oct. 25	17
Wetting agent offered by Minnesota Mining & Mig.	July 19	41
Widroot Co. adding to warehouse	Aug. 30	34
Women in the chemical industry	Dec. 27	10
<b>Wood:</b>		
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